Appendix G Cost Estimate



INTEROFFICE MEMORANDUM

Date:

March 28, 2002

To:

D. J. Wagoner

MS 3950

6-9989

From:

R. D. Roseland

MS 3655

6-0316

Subject:

CFA-08 STP DRAINFIELD COVER

Estimating Services has prepared the attached Title II/AFC Cost Estimate for the CFA-08 Sewage Treatment Plant (STP) Drainfield Cover Project. The Total Estimated Cost (TEC) for this project is \$1,399,108. Of this, \$1,279,215 is for construction subcontractor costs (excluding training costs). The estimate is based on Title II/AFC design drawings and specifications, special conditions, conversations with the requester and design personnel, and assumptions outlined in the attachments. This project was estimated using factors established in Block 8 of the Nine-Block Matrix. Any changes to the scope of work could have a significant impact on the cost estimate and should be reviewed by Estimating Services. Estimating Services specifically reserves its right to revise this estimate after the pre-bid meeting due to clarifications that may arise, the issuance of addenda, etc.

Attached for your review are the TEC Summary Report, Project Summary Report, Cost Estimate Support Data Recapitulation, Construction Detail Item Report, and Contractor Distribution Report.

If you have any questions or comments, please do not hesitate to contact me at 526-0316 or e-mail ID ROSERD.

RDR

Attachments

cc:

J. L. Leavitt, MS 5312

S. W. Sherick, MS 3940

Estimate File 3321-A Colon Calon R. D. Roseland Letter File (RDR-09-02)

Uniform File Code: 8309

Disposition Authority: A16-1.4-a

Retention Schedule: Cut off at the end of each fiscal year. Destroy when 10 years old.

NOTE: Original disposition authority, retention schedule, and Uniform Filing Code applied by the sender may not be appropriate for all recipients. Make adjustments as needed.

TEC Summary Report

ESTIMATE ELEMENT	Estimate Subtotal	Escalation	Contingency	TOTAL
Total Estimated Cost (TEC)	\$1,396,928	<i>0.16%</i> \$2,180	0.00% \$0	\$1,399,108
		0.16%	0.00%	
Total Estimated Cost (TEC)	\$1,396,928	\$2,180	\$0	\$1,399,108
Rounded TEC (Rounded to the nearest \$ 1)				\$1,399,108

		Remarks
Type of Estimate:	Title II/AFC	
Estimator:	R. D. Roseland	
Checked By:	DP1	
Approved By:	Colum Bale	

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Success Estimating and Cost Management System

Page No. 1

Project Summary Report

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL 9000	CONSTRUCTION	Estimate Subtotal \$1,328,266	Escalation \$2,180	Contingency \$0	Contingency % 0.00%	TOTAL \$1,330,446
9100	CONSTRUCTION SUBCONTRACTS	\$1,277,231	\$1,984	\$0	0.00%	\$1,279,215
9101	GENERAL CONDITIONS	\$145,162	\$304	\$0	0.00%	\$145,466
9101.1	GENERAL CONDITIONS - GENERAL SUBCONTRACTOR	\$115,885	\$0	\$0	0.00%	\$115.885
9101.1 01	MOBILIZATION & DEMOBILIZATION - GENERAL SUBCONTRACTOR	\$19,036	\$0	\$0	0.00%	\$19.036
9101.1.01.1	MOBILIZATION - GENERAL SUBCONTRACTOR	\$10,708	\$0	\$0	0.00%	\$10.708
9101,1.01.2	DEMOBILIZATION - GENERAL SUBCONTRACTOR	\$8,328	\$0	\$0	0.00%	\$8,328
9101.1.02	SUPERVISION & FACILITIES - GENERAL SUBCONTRACTOR	\$86,230	\$0	\$0	0.00%	\$86,230
9101.1.03	EQUIPMENT DECONTAMINATION - GENERAL SUBCONTRACTOR	\$10,620	\$0	\$0	0.00%	\$10.620
9101.2	GENERAL CONDITIONS - FENCING SUBCONTRACTOR	\$9,828	\$0	\$0	0.00%	\$9,828
9101.2.01	MOBILIZATION & DEMOBILIZATION - FENCING SUBCONTRACTOR	\$3.253	\$0	\$0	0.00%	\$3,253
9101.2.01.1	MOBILIZATION - FENCING SUBCONTRACTOR	\$1,627	\$0	\$0	0.00%	\$1,627
9101.2.01.2	DEMOBILIZATION - FENCING SUBCONTRACTOR	\$1,627	\$0	\$0	0.00%	\$1,627
9101.2.02	SUPERVISION - FENCING SUBCONTRACTOR	\$6,177	\$0	so	0.00%	\$6,177
9101.2.03	DECONTAMINATE EQUIP FENCING SUBCONTRACTOR	\$398	\$0	\$0	0.00%	\$398
9101.3	GENERAL CONDITIONS - LANDSCAPING SUBCONTRACTOR	\$14,487	\$304	\$0	0.00%	\$14,791
9101.3 01	MOBILIZATION & DEMOBILIZATION - LANDSCAPING SUBCONTRACTO	PR \$8,310	\$175	\$0	0.00%	\$8,485
9101.3.01.1	MOBILIZATION - LANDSCAPING SUBCONTRACTOR	\$5,114	\$107	\$0	0.00%	\$5.221
9101.3.01.2	DEMOBILIZATION - LANDSCAPING SUBCONTRACTOR	\$3,196	\$67	\$0	0.00%	\$3,263
9101.3.02	SUPERVISION - LANDSCAPING SUBCONTRACTOR	\$6,177	\$130	\$0	0.00%	\$6,306
9101.4	GENERAL CONDITIONS - ELECTRICAL SUBCONTRACTOR	\$4,961	\$ 0	\$0	0.00%	\$4,961
9101.4.01	MOBILIZATION & DEMOBILIZATION - ELECTRICAL SUBCONTRACTOR	\$2,375	\$0	\$ 0	0.00%	\$2,375
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03/28/2002	11:14:53 Success Estim	nating and Cost Manageme	ent System		Page N	lo. 1

Project Summary Report

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
9101.4.01.1	MOBILIZATION - ELECTRICAL SUBCONTRACTOR	\$1,319	\$0	\$0	0.00%	\$1,319
9101.4.01.2	DEMOBILIZATION - ELECTRICAL SUBCONTRACTOR	\$1,056	\$0	\$0	0.00%	\$1,056
9101.4.02	SUPERVISION - ELECTRICAL SUBCONTRACTOR	\$2,586	\$0	\$0	0.00%	\$2,586
9102	SITEWORK	\$1,122,885	\$1,680	\$0	0.00%	\$1,124,565
9102.1	MOW VEGETATION	\$1,779	\$0	\$0	0.00%	\$1,779
9102.2	DEMOLITION	\$4,601	\$0	\$0	0.00%	\$4,601
9102.2.01	DEMO DISTRIBUTION BOXES	\$2,119	\$0	\$0	0.00%	\$2,119
9102.2.02	DEMO RAD. CONTROL FENCE	\$2,483	\$0	\$0	0.00%	\$2,483
9102.3	EARTHWORK	\$1,036,522	\$0	\$0	0.00%	\$1,036,522
9102.3.01	BACKFILL - LAYER 4 (PIT RUN GRAVEL FROM CFA PIT)	\$73,620	\$0	\$0	0.00%	\$73,620
9102.3.01.1	TRANSPORT LAYER 4 - PIT RUN GRAVEL FROM CFA PIT	\$29,014	\$0	\$0	0.00%	\$29,014
9102.3.01.2	PLACE LAYER 4 - PIT RUN GRAVEL	\$44,606	\$0	\$0	0.00%	\$44,606
9102.3.02	BACKFILL - LAYER 3 (IMPORTED COBBLES)	\$297,718	\$0	\$0	0.00%	\$297,718
9102.3.02.1	TRANSPORT LAYER 3 - COBBLES FROM I.F.	\$252,423	\$0	\$0	0.00%	\$252,423
9102.3.02.2	PLACE LAYER 3 - COBBLES	\$45,295	\$0	\$0	0.00%	\$45,295
9102.3.03	BACKFILL - LAYER 2 (IMPORTED PEA GRAVEL)	\$107,118	\$0	\$0	0.00%	\$107,118
9102.3.03.1	TRANSPORT LAYER 2 - PEA GRAVEL FROM I.F.	\$88,645	\$0	\$0	0.00%	\$88,645
9102.3.03.2	PLACE LAYER 2 - PEA GRAVEL	\$18,473	\$0	\$0	0.00%	\$18,473
9102.3.04	BACKFILL - PERIMETER LAYER (CLAY LOAM FROM SPREADING AREA	A A) \$167,748	\$0	\$0	0.00%	\$167,748
9102.3.04.1	TRANSPORT CLAY LOAM FROM SPREADING AREA A	\$104,190	\$0	\$0	0.00%	\$104,190
9102.3.04.2	PLACE PERIMETER LAYER - CLAY LOAM FROM SPREADING AREA A	\$63,558	\$0	\$0	0.00%	\$63,558
9102.3.05	BACKFILL - LAYER 1 (SILT LOAM FROM LINCOLN BLVD. PIT)	\$366,171	\$0	\$0	0.00%	\$366,171
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Success Estimating and Cost Management System

Page No.

2

Project Name: CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA Estimate Number: 3321-A

Project Summary Report

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
9102.3.05.1	TRANSPORT LAYER 1 - SILT LOAM FROM LINCOLN BLVD.	\$237,128	\$0	\$ 0	0.00%	\$237,128
9102.3.05.2	PLACE LAYER 1 - SILT LOAM FROM LINCOLN BLVD. PIT	\$129,043	\$0	\$0	0.00%	\$129,043
9102.3.06	INITIAL & FINAL SURVEYING & CALCULATIONS	\$ 5,525	\$0	\$0	0.00%	\$5,525
9102.3.06.1	SURVEY BORROW PITS BEFORE MATERIAL REMOVAL	\$1,579	\$0	\$0	0.00%	\$1,579
9102.3.06.2	SURVEY BORROW PITS AFTER RE-GRADING	\$2,368	\$0	\$0	0.00%	\$2.368
9102.3.06.3	SURVEY DRAINFIELD AFTER EARTHWORK COMPLETION	\$1,579	\$0	\$0	0.00%	\$1.579
9102.3.07	PLACE PIT RUN GRAVEL IN DISTRIBUTION BOXES	\$1,000	\$0	\$0	0.00%	\$1,000
9102.3.08	PROOF ROLL DRAINFIELD	\$1,958	\$0	\$0	0.00%	\$1,958
9102.3.09	GRADE & RESHAPE CFA PIT	\$989	\$0	\$0	0.00%	\$989
9102.3.10	GRADE & RESHAPE SPREADING AREA A	\$2,966	\$0	\$0	0.00%	\$2.966
9102.3.11	GRADE & RESHAPE LINCOLN BLVD. PIT	\$2,966	\$0	\$0	0.00%	\$2,966
9102.3.12	BUILD RAMP AT SPREADING AREA A	\$8,744	\$0	\$0	0.00%	\$8,744
9102.4	INSTALL NEW PERIMETER FENCE	\$45 ,483	\$955	\$0	0 00%	\$46.439
9102.5	REVEGETATION	\$34,500	\$725	\$0	0.00%	\$35.225
9102.5.01	PREPARE & SEED DRAINFIELD COVER	\$8,447	\$177	\$0	0.00%	\$8,625
9102.5.02	PŁACE GFE WOOD CHIP MULCH AT DRAINFIELD COVER	\$15,292	\$321	\$0	0.00%	\$15.613
9102.5.03	PREPARE & SEED SPREADING AREA A	\$5,399	\$113	\$0	0.00%	\$5.513
9102.5.04	PREPARE & SEED LINCOLN BLVD. PIT	\$5,362	\$113	\$0	0.00%	\$5,474
9116	ELECTRICAL	\$9,184	\$0	\$0	0.00%	\$9,184
9116.1	INSTALL NEW FENCE GROUNDING	\$9,184	\$0	\$0	0.00%	\$9.184
9200	IN-HOUSE WORK	\$32,312	\$196	\$0	0.00%	\$32,508
9202	SITEWORK	\$22,963	\$0	\$0	0.00%	\$22,963
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Page No.

3

Project Summary Report

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
9202.1	DEMO/DISPOSE OF TELEPHONE POLES & RAILROAD TIES	\$634	\$0	\$0	0.00%	\$634
9202.2	DEMO PERIMETER FENCE & CUT OFF POSTS	\$18,521	\$0	\$0	0.00%	\$18,521
9202.3	CUT OFF WELL CASINGS & SEAL WITH BENTONITE	\$3,809	\$0	\$0	0.00%	\$3,809
9210	SPECIALTIES	\$9,349	\$196	\$0	0.00%	\$9,545
9210.1	INSTALL CONCRETE MONUMENTS	\$8.874	\$186	\$0	0.00%	\$9,060
9210.2	INSTALL INSTITUTIONAL CONTROLS SIGNS	\$475	\$10	\$0	0.00%	\$485
9300	CONSTRUCTION SUPPORT	\$18,723	\$0	\$0	0.00%	\$18,723
9300.1	TRAINING	\$18,723	\$0	\$0	0.00%	\$18,723
GAPIF	BBWI PF AND G&A	\$68,662	\$0	\$0	0.00%	\$68,662
Total TEC	(TOTAL ESTIMATED COST)	\$1,396,928	\$2,180	\$0	0.00%	\$1.399.108

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Success Estimating and Cost Management System

Page No.

Bechtel BWXT Idaho, LLC

COST ESTIMATE SUPPORT DATA RECAPITULATION

Project Title: CFA-08 STP DRAINFIELD COVER

Estimator: R. D. Roseland
Date: March 28, 2002
Estimate Type: Title II/AFC
File: 3321-A

Approved By: John Folk

I. SCOPE OF WORK: Brief description of the proposed project.

The project includes construction of a gravel and soil cap with perimeter fencing for the Central Facilities Area (CFA) – 08 Sewage Treatment Plant Drainfield. The drainfield is approximately 1,000 feet long by 200 feet wide. The soil cap consists of layers of pit run gravel, cobble rock, pea gravel, and native soil. The cap will be revegetated with perennial grasses and mulched with wood chips.

II. BASIS OF THE ESTIMATE: Drawings, Design Report, Engineers Notes and/or other documentation upon which the estimate is originated.

Title II/AFC drawings and specifications received on March 20, 2002, e-mailed directives/clarifications received from the requester and the project task coordinator on February 27, 2002, special conditions (Rev. 0) received on March 28, 2002, conversations with the requester and design personnel, and the previous project support estimate (Project File 3321).

- III. <u>ASSUMPTIONS</u>: Conditions statements accepted or supposed true without proof of demonstration. An assumption has a direct impact on total estimated cost.
 - A. Borrow sources for the pit run gravel and native soil layers are as indicated on the cost estimating detail sheets. This material is available at no cost to the subcontractor.
 - B. Pea gravel and cobble rock will be imported and hauled from the Idaho Falls area to the project site.
 - C. The majority of the project work will be awarded to a local subcontractor through the competitive bidding process. Costs for this work have been identified under the "construction subcontracts" category in the estimate. Costs for a small portion of the work (perimeter fence removal and well abandonment) indicated on the drawings to be performed "by others" (INEEL labor) have been included under the "in-house work" category of the estimate per direction received from the requester. Also included in this category are costs for removing railroad ties and for installing concrete monuments and institutional controls signs that are not indicated on the drawings or described in the specifications.

COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project Title: CFA-08 STP DRAINFIELD COVER

File: 3321-A

Page 2 of 3

- D. Training costs for subcontractor personnel have been included in the estimate per direction received from the requester. Current construction management practice provides for reimbursement to the subcontractor for training costs incurred.
- E. All construction activities will be performed on a 4-10 work schedule.
- F. The project will commence during FY 2002 and be completed during early FY 2003. Escalation has been included in the estimate for the FY 2003 permanent fencing and revegetation work.
- G. This project will not require construction personnel to have security clearances above building access only (BAO).
- H. No allowance has been included for overtime and premium labor rates.
- I. All earthwork compaction tests will be performed by BBWI personnel.
- J. No rock drilling or rock excavation will be required.
- K. Per direction received from the requester, the inner radiological control fence is to be removed by the subcontractor (vs. "by others" as indicated on drawing C-1).
- L. No allowance has been included for construction complications resulting from weather conditions.
- M. No funds have been included in the estimate for installing filter fabric between the layers of cobble and pea gravel to keep the materials from blending.
- N. Earthwork and revegetation quantities in the estimate for the drainfield area coincide with those indicated on the design drawings. Any variations between the estimated and actual quantities will affect costs.
- O. Wood chip mulch is to be supplied to the subcontractor at no cost. The subcontractor will be allowed access for loading the stockpiled material at the CFA landfill.
- P. Radiological control support will be provided at no cost to the subcontractor.
- Q. There is a conflict between the specifications and general provisions regarding responsibility for equipment decontamination work. Per discussions with the construction coordinator and the task coordinator on March 28, 2002, BBWI radiological control personnel will perform the majority of the actual equipment decontamination/cleaning work at no cost to the subcontractor. As such, minimal subcontractor costs have been included in the estimate for this work.
- R. Activity specific assumptions have been included within the estimate body (reference cost estimating detail sheets) that are considered to also reflect the basis of this estimate.
- IV. CONTINGENCY GUIDELINE IMPLEMENTATION: The percentage used for contingency as determined by the contingency allowance guidelines can be altered to reflect the type of construction and conditions that may impact the total estimated cost.

No contingency allowance has been included in this Title II/AFC estimate.

COST ESTIMATE SUPPORT DATA RECAPITULATION

- Continued -

Project Title:

CFA-08 STP DRAINFIELD COVER

File:

3321-A

Page 3 of 3

V. OTHER COMMENTS/CONCERNS SPECIFIC TO THE ESTIMATE

- A. Subcontractor labor costs reflect INEEL Site Jurisdictional Agreement craft labor rates.
- B. Costs for General and Administrative (G&A) allowance and procurement fees have been included in the estimate per direction received from the requester.
- C. Markup percentages utilized for overhead, profit, bond, and sub-tier handling fees are as indicated on the attached "contractor distribution report."
- D. Construction activities are anticipated to take 22 weeks based upon 10-hour shifts, 4 days per week. This consists of 15 weeks for demolition and earthwork activities and 7 weeks for fencing and revegetation work. Depending on when the project begins, there may be a period between the fencing and revegetation work when no construction work will occur.

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor — 9101,1,01.1 MOBILIZATION - GENERAL SUBCONTRA	QTY	_	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Matl</u>	S/C	<u>Other</u>	TOTAL
GEN Mobilization - General Subcontractor	U.C. per LOT	1.00	0		0 \$0	0 \$0	0 \$0	9000 \$9,000	0 \$0	9000 \$9,000
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$9,000 \$0 \$1,708	\$0 \$0 \$0	\$9,000 \$0 \$1,708
Subtotal Estimate Escalation Contingency	- 1 - 1 - 1 - 1 - 1				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$10,708 \$0 \$0
Total 9101.1.01.1 MOBILIZATION - GENERAL SUBCON	TRACTOR		0		\$0	\$0	\$0	\$10,708	\$0	\$10,708
9101.1.01.2 DEMOBILIZATION - GENERAL SUBCONT GEN Demobilization - General Subcontractor	U.C. per LOT	1.00	0		o \$0	o \$0	o \$0	7000 \$7,000	° \$0	7000 \$7,000
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$7,000 \$0 \$1,328	\$0 \$0 \$0	\$7,000 \$0 \$1,328
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$8,328 \$0 \$0
-Total 9101.1.01.2 DEMOBILIZATION - GENERAL SUBC	ONTRACTOR		0		\$0	\$0	\$0	\$8,328	\$0	\$8,328
9101.1.02 SUPERVISION & FACILITIES - GENERAL SI GEN Supervisor & Pickup Truck - General Subcontractor	UBCONTRACTOR U.C. per WK	22.00	40 880	CN-SUPR \$40.00	1600 \$35,200	360 \$7,920	0 \$0	0 \$0	0 \$0	1960 \$43,120
Full Time Safety Representative - General Subcontractor	U.C. per WK	22.00	40 880	CN-LABR \$31.58	1263.2 \$27,790	0 \$0	0 \$0	0 \$0	0 \$ 0	1263.2 \$27,790
GEN Office/Tool Trailers, Sanitary Facilities, Misc. Equip General Subcontractor	U.C. per MON	TH 5.00	0		0 \$0	800 \$4,000	0 \$0	0 \$0	0 \$0	800 \$4,000

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor - 9101.1.02 SUPERVISION & FACILITIES - GENERAL S	QTY	_	<u>Hrs</u>	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Mati</u>	S/C	<u>Other</u>	TOTAL
GEN Purchase WAG 4 HASP Safety Equipment - General Subcontractor	U.C. per LOT	1.00	0		0 \$0	2000 \$2,000	0 \$0	0 \$0	0 \$ 0	2000 \$2,000
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$62,990 \$0 \$6.678	\$13,920 \$0 \$2,641	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0	\$76,910 \$0
Subtotal Estimate Escalation Contingency					\$0,678 \$0 \$0	\$0 \$0	\$0 \$0 \$0	\$0 \$0	\$0 \$0 \$0	\$9,319 \$86,230 \$0 \$0
Total 9101.1.02 SUPERVISION & FACILITIES - GENER. SUBCONTRACTOR	AL.		1,760		\$69,669	\$16,561	\$0	\$0	\$0	\$86,230
9101.1.03 EQUIPMENT DECONTAMINATION - GENERAL GEN Construct Decontamination Pad GEN GEN Decontaminate Equipment - General Subcontractor Memo: Assume 1 worker for 10 hours per major piece of eq IS A CONFLICT BETWEEN THE SPECIFICATIONS DISCUSSSIONS WITH THE CONSTRUCTION CO ALSO ASSUMED THAT BBWI PERSONNEL WILL	U.C. per LOT U.C. per EA uipment. Assume that S & THE GENERAL PF ORDINATOR & THE T	1.00 8.00 1 tractor, ROVISIONS	S IN REGAR RDINATOR	D TO WHO DOES ON 3/28/02, ASSU	THE DECONTA	MINATION WORK (BE	WI OR SUBCO	NTRACTOR PERS	ONNEL), PER	
GEN Remove Decontamination Pad	U.C. per LOT	1.00	0		0 \$0	0 \$0	0 \$0	1400 \$1,400	0 \$0	1400 \$ 1,400
GEN Dispose of Dry Material & Water from Decontamination	U.C. per LOT	1.00	0		0 \$0	0 \$0	0 \$0	3000 \$3,000	0 \$0	3000 \$3,000
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads	_				\$2,526 \$0 \$479	\$0 \$0 \$0	\$0 \$0 \$0	\$6,400 \$0 \$1,214	\$0 \$0 \$0	\$8,926 \$0 \$1,694
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$10,620 \$0 \$0
Total 9101.1.03 EQUIPMENT DECONTAMINATION - GE SUBCONTRACTOR	NERAL		80		\$3,006	\$0	\$0	\$7,614	\$0	\$10,620
### ### ##############################	U.C. per LOT	1.00 or 10 hour	20 20 s at \$60/hou	CN-SKWK \$34.52	690.4 \$690	600 \$600	o \$0	o \$0	0 \$0	1290.4 \$1,290

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

	<u>g/Subcontractor</u> ATION - FENCING SUBCONTRACTO	<u>QTY</u>	<u>н</u>	rs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Mati</u>	_\$/C_	<u>Other</u>	TOTAL
Subtotal						\$690	\$600	\$0	\$0	\$0	\$1,290
Sales Tax						\$ 0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subo	contractor Overheads					\$180	\$156	\$0	\$0	\$0	\$336
Subtotal Estimate											\$1,627
Escalation						\$0	\$ 0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$ 0	\$0
Total 9101.2.01.1 MOB	ILIZATION - FENCING SUBCONTRA	CTOR		20		\$870	\$756	\$0	\$0	\$0	\$1,627
	IZATION - FENCING SUBCONTRAC										
	ENCE	U.C. per LOT		20	CN-SKWK	690.4	600	0	0	0	1290.4
emobilization - Fencing S			1.00	20	\$34.52	\$690	\$600	\$0	\$0	\$0	\$1,290
emo: 2 workers at 10 ho	ours each to demobilize. Truck, forklift	, & misc. equipment	for 10 hours a	t \$60/h	our.						
Subtotal						\$690	\$600	\$0	\$0	\$0	\$1,290
Sales Tax						\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subc	contractor Overheads					\$180	\$156	\$0	\$0	\$0	\$336
Subtotal Estimate											\$1,627
Escalation						\$0	\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0	\$0
Total 9101.2.01.2 DEM	OBILIZATION - FENCING SUBCONT	RACTOR		20		\$870	\$756	\$0	\$0	\$0	\$1,627
	ON - FENCING SUBCONTRACTOR										
	ENCE	U.C. per DAY		10	CN-SUPR	400	90	0	0	0	490
ipervisor & Pickup Truck	- Fencing Subcontractor		10.00	100	\$40.00	\$4,000	\$900	\$ 0	\$0	\$0	\$4,900
Subtotal						\$4,000	\$900	\$0	\$0	\$0	\$4,900
Sales Tax						\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subo	ontractor Overheads					\$1,042	\$235	\$0	\$0	\$0	\$1,277
Subtotal Estimate			·	-							\$6,177
Escalation						\$0	\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$0	\$0
Total 9101.2.02 SUPER	IVISION - FENCING SUBCONTRACT	ОП		100		\$5,042	\$1,135	\$0	\$0	\$0	\$6,177
9101.2.03 DECONTAR	MINATE EQUIP FENCING SUBCON										
	ENCE	U.C. per EA		10	CN-LABR	315.8	0	0	0	0	315.8
									•		
econtaminate Equipment	 Fencing Subcontractor for 10 hours per major piece of equipment 		1.00	10	\$31.58	\$316	\$0	\$0	\$0	\$0	\$316

03/28/2002

3

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontracto		Υ	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Matl</u>	S/C	Other	TOTAL
Subtotal		-			\$316	\$0	\$0	\$0	\$0	\$316
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads	} 	****			\$82	\$0		\$0	\$0	\$82
Subtotal Estimate										\$398
Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Total 9101.2.03 DECONTAMINATE EQUIP SUBCONTRACTOR	. • FENCING		10		\$398	\$0	\$0	\$0	\$0	\$398
9101.3.01.1 MOBILIZATION - LANDSCAF	PING SUBCONTRACTOR U.C. per LO	т	48	CN-SKWK	1656.96	2400	0	0	0	4056.96
Mobilization - Landscaping Subcontractor	0.0. per 20	1.00	48	\$34.52	\$1.657	\$2,400	s ŏ	\$0	\$0	\$4,057
Memo: 3 loads of equipment & 1 load of seed	& fertilizer at mobilization with 2 v					costs. Total of 48 m	anhours & \$2,400 in	equipment costs.	•	, ,,,,,
Subtotal				***************************************	\$1,657	\$2,400	\$0	\$0	\$0	\$4,057
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads	S				\$432	\$625	\$0	\$0	\$0	\$1,057
Subtotal Estimate				•						\$5,114
Escalation					\$44	\$ 64	\$0 \$0	\$0 \$0	\$0 \$0	\$107
Contingency					\$0	\$0		\$0	\$0	\$0
-Total 9101.3.01.1 MOBILIZATION - LANDS	CAPING SUBCONTRACTOR		48		\$2,133	\$3,089	\$0	\$0	\$0	\$5,221
9101.3.01.2 DEMOBILIZATION - LANDSO	CAPING SUBCONTRACTOR									
LAND	U.C. per LO		30	CN-SKWK	1035.6	1500	0	0	0	2535.6
Demobilization - Landscaping Subcontractor		1.00	30	\$34.52	\$1,036	\$1,500	\$0	\$0	\$0	\$2,536
Memo: 3 loads of equipment at demobilization	with 2 workers at 5 hours each/ii	oad & \$100/n	our/load for e	equipment costs.	lotal of 30 manno	ups a \$1,500 in equ	ipment costs.			
Subtotal					\$1,036	\$1,500	\$0	\$0	\$0	\$2,536
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$270	\$391	\$0	\$0	\$0	\$661
Subtotal Estimate										\$3,196
Escalation					\$27	\$40	\$0	\$0	\$0	\$67
Contingency					\$0		\$0	\$0	\$0	\$0
Total 9101.3.01.2 DEMOBILIZATION - LAN SUBCONTRACTOR	IDSCAPING		30		\$1,333	\$1,931	\$0	\$0	\$0	\$3,263
- 9101.3.02 SUPERVISION - LANDSCAPIN										
LAND Supervisor & Pickup Truck - Landscaping Subo	U.C. per DA'	Y 10.00	10 100	CN-SUPR \$40.00	400 \$4,000	90 \$900	0 \$0	0 \$0	0 \$ 0	490 \$4,900
Supervisor of Fickup Truck - Lanuscaping Subc	JOHN ACION	10.00	100	\$40.00	\$4,000	\$500	4 0	\$ 0	3 U	₽4,90U

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor 9101.3.02 SUPERVISION - LANDSCAPING SUBCONTRACTOR	QTY	<u>Hrs</u>	Crew/Rate	<u>Labor</u>	Const Eqp	Mati	_S/C_	<u>Other</u>	TOTAL
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$4,000 \$0 \$1,042	\$900 \$0 \$235	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$4,900 \$0 \$1,277
Subtotal Estimate Escalation Contingency				\$106 \$0	\$24 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$6,177 \$130 \$0
Total 9101.3.02 SUPERVISION - LANDSCAPING SUBCONTRACTO	OR	100		\$5,148	\$1,158	\$0	\$0	\$0	\$6,306
- 9101.4.01.1 MOBILIZATION - FLECTRICAL SUBCONTRACTOR FLEC U.C. Mobilization - Electrical Subcontractor	per LOT 1.00	0		o \$0	0 \$0	o \$0	1000 \$1,000	0 \$ 0	1000 \$1,000
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$1,000 \$0 \$319	\$0 \$0 \$0	\$1,000 \$0 \$319
Subtotal Estimate Escalation Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,319 \$0 \$0
Total 9101.4.01.1 MOBILIZATION - ELECTRICAL SUBCONTRACT	OR	0		\$0	\$0	\$0	\$1,319	\$0	\$1,319
9101.4.01.2 DEMOBILIZATION - ELECTRICAL SUBCONTRACTO ELEC U.C. Demobilization - Electrical Subcontractor	PR per LOT 1.00	0		0 \$0	0 \$0	0 \$0	800 \$800	0 \$ 0	800 \$800
Subtotal Salos Tax INEEL ORG Labor/Subcontractor Overheads				\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$800 \$0 \$256	\$0 \$0 \$0	\$800 \$0 \$256
Subtotal Estimate Escalation Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,056 \$0 \$0
Total 9101.4.01.2 DEMOBILIZATION - ELECTRICAL SUBCONTRA	CTOR	0		\$0	\$0	\$0	\$1,056	\$0	\$1,056
9101.4.02 SUPERVISION - ELECTRICAL SUBCONTRACTOR ELEC U.C. Supervisor & Pickup Truck - Electrical Subcontractor	per DAY 4.00	10 40	CN-SUPR \$40.00	400 \$1,600	90 \$ 360	0 \$ 0	0 \$0	0 \$0	490 \$1,960

Project Name: CFA-08 STP DRAINFIELD COVER
Project Location: INEEL/CFA
Estimate Number: 3321-A Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor 9101.4.02 SUPERVISION - ELECTRICAL SUBCONTRA	CTOR	<u></u>	Hrs	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	S/C	Other	TOTAL
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$1,600 \$0 \$511	\$360 \$0 \$115	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$1,960 \$0 \$626
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$ 0	\$0 \$0	\$0 \$0	\$2,586 \$0 \$0
-Total 9101.4.02 SUPERVISION - ELECTRICAL SUBCON	TRACTOR		40		\$2,111	\$475	\$0	\$0	\$0	\$2,586
9102.1 MOW VEGETATION GEN Mow Cover & Sideslope Areas (8.5 Acres) Memo: Farm tractor & mower at \$40/hour or \$400/day.	U.C. per DAY	2.00	10 20	CN-EQMD \$34.75	347.5 \$695	400 \$800	o \$0	o \$0	o \$0	747.5 \$1,495
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads			· · · · · · · · · · · · · · · · · · ·		\$695 \$0 \$132	\$800 \$0 \$152	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$1,495 \$0 \$284
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,779 \$0 \$0
-Total 9102.1 MOW VEGETATION			20		\$827	\$952	\$0	\$0	\$0	\$1,779
9192.2.01 DEMO DISTRIBUTION BOXES GEN Demolish Above Grade Distribution Boxes	U.C. per EA	5.00	8 40	CN-SKWK \$34.52	276.16 \$1,381	80 \$400	0 \$0	0 \$0	0 \$0	356.16 \$1,781
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$1,381 \$0 \$262	\$400 \$0 \$76	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$1,781 \$0 \$338
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$2,119 \$0 \$0
Total 9102.2.01 DEMO DISTRIBUTION BOXES			40		\$1,643	\$476	\$0	\$0	\$0	\$2,119
9102.2.02 DEMO RAD. CONTROL FENCE FENCE Remove Existing Rad. Control Fence (T-Posts & 2 Wires) Memo: Haul to CFA excess yard for salvage.	U.C. per LF	2,590.00	0.02 52	CN-SKWK \$34.52	0.69 \$ 1,788	0.07 \$181	o \$0	0 \$0	\$0	0.76 \$1,969

Project Name:

CFA-08 STP DRAINFIELD COVER
Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL 9102.2.02 DEM	Org/Subcontractor ORAD. CONTROL FENCE	QTY	Hrs	Crew/Rate	<u>Labor</u>	Const Egp	Matl	<u>s/c</u>	<u>Other</u>	TOTAL
Subtotal				*	\$1,788	\$181	\$0	\$0	\$0	\$1,969
Sales Tax INEEL ORG Lab	or/Subcontractor Overheads				\$0 \$466	\$0 \$47	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$513
Subtotal Estima Escalation	ite					40				\$2,483
Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$ 0 \$ 0	\$0 \$0	\$0 \$0
Total 9102.2.02	DEMO RAD. CONTROL FENCE		52		\$2,254	\$229	\$0	\$0	\$0	\$2,483
9102,3,01.1 TF Memo:	RANSPORT LAYER 4 - PIT RUN GRAVEL 1 mile loaded haul. Assume that a Cate trucks are constantly available & it take This equates to 3 loads or 42 FCY/hour, material vs. dumping it onto the existin estimate.	erpillar 966 5 CY front end is 4 minutes for loading, i ftruck. 5 trucks are requi g drainfield due to equipi	5 minutes to h ired to keep up ment contamin	aul a load to the dri with the loading re ation concerns. Fo	einfield, 7 minut ite. 7,600 FCY d iel/lube truck wi	es to unioad, & 4 min livided by (200 cy/hou ith operator is include	utes to return to or x 10 hours/da od in equipment	o the pit = 20 min ny) = 3.80 crew da t rates-typical thro	utes/round trip. lys. Stockpile oughout the	
Catemillar 966 5 C	GEN Y Front End Loader with Operator	U.C. per DAY 3.8	10 30 38		354.9 \$1.349	683 \$2,595	0 \$0	0 \$0	0	1037.9
Memo: \$42.42/ho	ur rental costs plus \$25.90/hour operating of					\$2,595 Book.	\$0	20	\$0	\$3,944
20 T B D	TRUCK	U.C. per DAY	50		1674	2875	.0	0	0	4549
	np with Tractor & Driver (7 Each) ur rental costs plus \$30.25/hour operating or	3.8 osts = \$57.55/hour or \$575			\$6,361 excluding drivers	\$10,925 . Source: Rental Rate	\$0 e Blue Book.	\$0	\$0	\$17,286
	GEN	U.C. per DAY	10		347.5	386	0	0	0	733.5
Memo: \$21.24/hor	r Truck with Operator for Dust Control ur rental costs plus \$17.35/hour operating core rea due to their close proximity.	3.8 osts = \$38.59/hour or \$386	38 Vday excluding	\$34.75 operator, Source: F	\$1,321 lental Rate Blue I	\$1,467 Book. Assume that 1 y	\$0 vater truck can s	\$0 ervice both the CF	\$0 A Pit & the draint	\$2,787 ield
	GEN	U.C. per DAY	20		631.6	0	0	0	0	631.6
Each)	r Staging Trucks, Traffic Control (2	3.8	90 76	\$31.58	\$2,400	\$0	\$ 0	\$0	\$0	\$2,400
Subtotal					\$11,430	\$14,987	\$ 0	\$0	\$0	\$26,418
Sales Tax	or/Subcontractor Overheads				\$0	\$0	\$0	\$0	\$0	\$0
		······			\$1,280	\$1,317	\$0	\$0	\$0	\$2,597
Subtotal Estima Escalation Contingency	ite				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$29,014 \$0 \$0
-Total 9102.3.01. CFA PIT	1 TRANSPORT LAYER 4 - PIT RUN GRA	VEL FROM	342	!	\$12,710	\$16,304	\$0	\$0	\$0	\$29,014
Мето:	ACE LAYER 4 - PIT RUN GRAVEL Place material with 2 Cat D8 dozers bein day). Assume production rate of 800 For GEN	ng fed stockpiled materia CY/dozer/day = 1,600 FCY U.C. per DAY	i from all side: //day. 7,600 FC 20	CY divided by 1,600	end loaders (ea = 4.8 days. Grs 663.4	nch loader should be a ader, vibratory roller, 0	able to stock 80 water truck, & a	00-1,200 FCY of n laborer full time O	naterial per 0	663.4
Surveying - (2 -Man Memo: Includes 1	n Crew) day for topographical survey of final surface	3.0 a & volume calculations. As			\$1,990 interfering with c	\$0 cobble placement.	\$0	\$0	\$0	\$1,990

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor — 9102.3.01.2 PLACE LAYER 4 - PIT RUN GRAVEL	QTY	-	<u>Hrs</u>	Crew/Rate	Labor	Const Eap	<u>Mati</u>	s/c	<u>Other</u>	TOTAL
Memo: Place material with 2 Cat D8 dozers being day). Assume production rate of 800 FC									aterial per	
GEN	U.C. per DAY	-	20	CN-EQHV	709.8	2210	0	0	0	2919.8
Caterpillar D8 Dozer with Operator (2 Each)		4.80	96	\$35.49	\$3,407	\$10,608	\$0	\$ 0	\$0	\$14,015
Memo: \$72.55/hour rental costs plus \$37.95/hour operating cost	sts = \$110.50/hour o	r \$1 ,105/da	ay excluding	operator. Sourc	e: Rental Rate Blu	e Book.				
GEN	U.C. per DAY		20	CN-EQHV	709.8	1010	0	0	0	1719.8
Caterpillar 950 4 CY Front End Loader with Operator (2 Each)		4.80	96	\$35.49	\$3,407	\$ 4,848	\$0	\$0	\$0	\$8,255
Memo: \$31.66/hour rental costs plus \$18.80/hour operating costs	sts = \$50.46/hour or	\$505/day e	excluding of	perator, Source:	Rental Rate Blue I	3ook.				
GEN	U.C. per DAY		10	CN-EQHV	354.9	530	0	0	0	884.9
Caterpillar 140 Road Grader with Operator	* · * · p * · * · · ·	4.80	48	\$35.49	\$1,704	\$2,544	\$0	\$0	\$0	\$4,248
Memo: \$33.79/hour rental costs plus \$19.25/hour operating costs	sts = \$53.04/hour or	\$530/day 6	excluding of	perator, Source:	Rental Rate Blue I	Book.		•		
GEN	U.C. per DAY		10	CN-EQMD	347.5	475	0	0	0	822.5
Caterpillar CB534B Double Drum 20,500 LB. Vibratory Roller with Operator		4.80	48	\$34.75	\$1,668	\$2,280	\$0	\$0	\$0	\$3,948
Memo: \$36.73/hour rental costs plus \$10.80/hour operating cost	sts = \$47.53/hour or	\$475/day 6	excluding of	perator. Source:	Rental Rate Blue f	Book.				
GEN	U.C. per DAY		10	CN-EQMD	347.5	386	0	0	0	733.5
4,000 Gallon Water Truck with Operator for Dust	0.0. por 5/11	4.80	48	\$34.75	\$1,668	\$1,853	\$ŏ	\$ŏ	\$ 0	\$3,521
Control/Compaction Mamo: \$21.24/hour rental costs plus \$17.35/hour operating costs	sts = \$38.59/hour or	\$386/day 6	excluding of	perator. Source:	Rental Rate Blue I	Book.			•	
GEN	U.C. per DAY		10	CN-LABR	315.8	0	0	0	0	315.8
Laborer Support	0.0. por 0	4.80	48	\$31.58	\$1,516	\$0	\$0	\$0	\$0	\$1,516
Subtotal					\$15,360	\$22,133	\$0	\$0	\$0	\$37,492
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$2,914	\$4,199	\$0	\$0	\$ 0	\$7,113
Subtotal Estimate										\$44,606
Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Total 9102.3.01.2 PLACE LAYER 4 - PIT RUN GRAVEL			444		\$18,274	\$26,332	\$0	\$0	\$0	\$44,606
- 9102.3.02.1 TRANSPORT LAYER 3 - COBBLES FROM I.F Memo: Material is to be stockpiled in advance or										
ROCK	U.C. per CY	.			0	0	25.71	0	0	25.71
Purchase & Deliver Cobble Memo: Price is per 9/9/01 quotation from Phenix of Idaho. Deli	8,	560.00 day. 8,560	0 CY divided	i by 500 = 17 day	\$0	\$0	\$220,078	\$0	\$0	\$220,078
GEN	U.C. per LOT	•		•	0	0	0	100	0	100
Submit Sieve Analysis Reports	O.C. per LOT	1.00	0		\$0	\$0	\$0	\$100	\$0	\$100
GEN	U.C. per DAY		10	CN-EQMD	347.5	386	0	0	0	733.5
4,000 Gallon Water Truck with Operator for Dust Control Memo: \$21.24/hour rental costs plus \$17.35/hour operating cost	sts = \$38.59/hour or	17.00 \$386/day 6	170 excluding of	\$34.75 berator. Source:	\$5,908 Rental Rate Blue I	\$6,562 3ook.	\$0	\$0	\$0	\$12,470

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor	QTY	Ŀ	Irs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Matl</u>	_S/C_	<u>Other</u>	TOTAL
- 9102.3.02.1 TRANSPORT LAYER 3 - COBBLES FROM Memo: Material is to be stockpiled in advance										
GEN	U.C. per DAY		10	CN-LABR	315.8	0	0	0	0	315.8
Laborer Support for Staging Trucks, Traffic Control	. 1	7.00	170	\$31.58	\$5,369	\$0	\$0	\$ 0	\$0	\$5,369
Subtotal	···			······································	\$11,276	\$6,562	\$220,078	\$100	\$0	\$238,016
Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$0 \$2.130	\$0 \$1.245	\$0 \$11,004	\$0 \$19	\$0 \$0	\$0 \$14,407
INEEL ONG Labor/Subcontractor Overneads					\$2,139	\$1,245	\$11,004	3 19	30	\$14,407
Subtotal Estimate										\$252,423
Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$Q \$0	\$0 \$0
Total 9102.3.02.1 TRANSPORT LAYER 3 - COBBLES F	ROM I.F.		340		\$13,415	\$7,807	\$231,081	\$119	\$0	\$252,423
FCY divided by 1,400 = 5.1 days. Wat necessary. GEN Surveying - (2-Man Crew)	U.C. per DAY	4.00	20 80	CN-SURV \$33.17	663.4 \$2,654	0 \$ 0	0 \$ 0	0	0 \$0	663.4 \$ 2,654
Surveying - (2-Man Crew) Memo: Includes 1 day for topographical survey of final surfa-								\$0	\$0	\$2,654
GEN						2210			^	2919.8
GEN Caterpillar D8 Dozer with Operator (2 Each)	U.C. per DAY	6.10	20 122	CN-EQHV \$35.49	709.8 \$4.330	\$13,481	0 \$0	0 \$0	0 \$0	\$17,811
Memo: \$72.55/hour rental costs plus \$37.95/hour operating							40	ΨΟ	₩0	\$17,011
GEN	U.C. per DAY		20	CN-EQHV	709.8	1010	0	0	0	1719.8
Caterpillar 950 4 CY Front End Loader with Operator (2 Each)	·	6.10	122	\$35.49	\$4,330	\$6,161	\$0	\$0	\$0	\$10,491
Memo: \$31.66/hour rental costs plus \$18.80/hour operating	costs = \$50.46/hour or \$5	505/day excl	luding of	perator. Source: Re	ental Rate Blue I	Book.				
GEN	U.C. per ACRE		1	CN-EQMD	34.75	47.53	0	0	0	82.28
Catemillar CB534B Double Drum 20,500 LB. Vibratory Roller with Operator		8.70	9	\$34.75	\$302	\$414	\$0	\$0	\$0	\$716
Memo: \$36.73/hour rental costs plus \$10.80/hour operating	costs = \$47.53/hour or \$4	47.53/acre e.	xcluding	operator. Source:	Rental Rate Blu	re Book.				
GEN	U.C. per DAY		10	CN-EQMD	347.5	386	0	0	0	733.5
4,000 Gallon Water Truck with Operator for Dust Control Memo: \$21.24/hour rental costs plus \$17.35/hour operating	•	6.10 386/day excl	61	\$34.75 perator, Source: Re	\$2,120 ental Bate Blue I	\$2,355 Book	\$0	\$0	\$0	\$4,474

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL 9102 3 02 2 PL	Org/Subcontractor	QTY	_	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Matl</u>	S/C	Other	TOTAL
Memo:	Place material with 2 Cat D8 dozers FCY divided by 1,400 = 6.1 days. W necessary.	being fed stockpiled m ater truck & a laborer f	aterial from III time. Vit	all sides eratory rol	by 2 Cat 950 front ler for 1-2 passes	end loaders. A without vibratio	ssume production ro n upon placement o	ate of 700 FCY/d If all material. As	ozer/day = 1,400 F ssume that a grad	CY/day. 8,560 er is not	
Laborer Support	GEN	U.C. per DAY	6.10	10 61	CN-LABR \$31.58	315.8 \$1,926	0 \$0	0 \$0	0 \$ 0	0 \$0	315.8 \$1,926
Subtotal Sales Tax INEEL ORG Lab	or/Subcontractor Overheads					\$15,662 \$0 \$2,971	\$22,410 \$0 \$4,252	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$38,072 \$0 \$7,223
Subtotal Estima Escalation Contingency	te					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$45,295 \$0 \$0
Total 9102.3.02.	2 PLACE LAYER 3 - COBBLES			455	•	\$18,633	\$26,662	\$0	\$0	\$0	\$45,295
Memo: Purchase & Deliver	ANSPORT LAYER 2 - PEA GRAVEL Material is to be stockpiled & sprea ROCK Pea Gravel r 9/9/01 quotation from Phenix of Idaho	d with a small dozer. U.C. per CY 2	,940.00 /day. 2,940	0 CY divided	d by 500 = 6 days.	0 \$0	0 \$0	26.27 \$77,234	0 \$0	0 \$0	26.27 \$ 77,234
Provide Sieve Analy	GEN vsis Reports	U.C. per LOT	1.00	0		0 \$0	0 \$0	0 \$0	50 \$ 50	0 \$0	50 \$50
	GEN Truck with Operator for Dust Control or rental costs plus \$17.35/hour operatir	U.C. per DAY ng costs = \$38.59/hour or	6.00 \$386/day e:	10 60 coluding op	CN-EQMD \$34.75 perator. Source: Re	347.5 \$2,085 ental Rate Blue f	386 \$2,316 Book.	° \$0	\$0 \$0	0 \$0	733.5 \$4,401
Laborer Support for	GEN Staging Trucks, Traffic Control	U.C. per DAY	6.00	10 60	CN-LABR \$31.58	315.8 \$1,895	o \$0	0 \$ 0	° \$0	° \$0	315.8 \$1,895
Subtotal Sales Tax INEEL ORG Labo	or/Subcontractor Overheads					\$3,980 \$0 \$755	\$2,316 \$0 \$439	\$77,234 \$0 \$3,862	\$50 \$0 \$9	\$0 \$0 \$0	\$83,580 \$0 \$5,066
Subtotal Estima Escalation Contingency	to					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$ 0	\$88,645 \$0 \$0
Total 9102.3.03.	1 TRANSPORT LAYER 2 - PEA GRAV	/EL FROM I.F.		120		\$4,735	\$2,755	\$81,095	\$59	\$0	\$88,645
9102.3.03.2 PL Memo:	ACE LAYER 2 - PEA GRAVEL Place material with 2 Cat D4 dozers Assume production rate of 400 FCV upon placement of all material. Ass layers of cobble & pea gravel to pre	/dozer/day = 800 FCY/d sume that a grader woul vent the materials from	ey. 2,940 Fi d not perfoi	CY divided rm well wo	d by 800 = 3.7 days orking in the pea g	s. Water truck & ravel, No funds	k a laborer full time. a are included in the	Vibratory roller estimate for ins	for 1-2 passes wit talling filter fabric	hout vibration between the	
Surveying - (2-Man		U.C. per DAY	3.00	20 60	CN-SURV \$33.17	663.4 \$1,990	0 \$ 0	0 \$ 0	0 \$ 0	0 \$ 0	663.4 \$1,990
Memo: Includes 1	day for topographical survey of final sur	face & volume calculatio	ns. Assume			interlering with c	lay & silt loam placen	nent.	4 0	ΨΟ	ψ1, 33 0

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

CFA-08 STP DRAINFIELD COVER
Project Location: INEEL/CFA Estimate Number: 3321-A

Project Name:

LEVEL - 9102.3.03.2 PL/	Org/Subcontractor ACE LAYER 2 - PEA GRAVEL	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Mati	S/C	Other	TOTAL
Memo:	Place material with 2 Cat D4 dozers b Assume production rate of 400 FCY/o upon placement of all material. Assu layers of cobble & pea gravel to previ	lozer/day = 800 FCY/day. me that a grader would no	2,940 FCY divided ot perform well w	d by 800 = 3.7 da	ys. Water truck a	a laborer full time.	Vibratory roller	for 1-2 passes wit	hout vibration	
	GEN GEN	U.C. per DAY	20	CN-EQMD	695	832	0	0	0	1527
	rwith Operator (2 Each) r rental costs plus \$15.15/hour operating		.70 74	\$34.75 perator. Source:	\$2,572	\$3,078	\$0	\$0	\$0	\$5,650
O-1	GEN	U.C. per DAY	10	CN-EQHV	354.9	505	0	0	0	859.9
	Front End Loader with Operator r rental costs plus \$18.80/hour operating		.70 37 5/day excluding op	\$35.49 perator. Source:	\$1,313 Rental Rate Blue B	\$1,869 Book.	\$0	\$0	\$0	\$3,182
	GEN	U.C. per ACRE	1	CN-EQMD	34.75	47.53	0	0	0	82.28
Caterpillar CB534B I Roller with Operator	Double Drum 20,500 LB. Vibratory	10	.00 10	\$ 34.75	\$348	\$475	\$0	\$0	\$0	\$823
	r rental costs plus \$10.80/hour operating	costs = \$47.53/hour or \$47	.53/acre excluding	operator. Sourc	e: Rental Rate Blu	e Book.				
	GEN	U.C. per DAY	10	CN-EQMD	347.5	386	0	0	0	733.5
	Truck with Operator for Dust Control r rental costs plus \$17.35/hour operating		.70 37 6/day excluding og	\$34.75 perator, Source:	\$1,286 Rental Rate Blue B	\$1,428 Book.	\$0	\$0	\$0	\$2,714
	GEN	U.C. per DAY	10	CN-LABR	315.8	0	0	0	0	315.8
Laborer Support		3	.70 37	\$31.58	\$1,168	\$0	\$0	\$0	\$0	\$1,168
Subtotal					\$8,677	\$6,850	\$ 0	\$0	\$0	\$15,527
Sales Tax INEEL ORG Labo	r/Subcontractor Overheads				\$0 \$1,646	\$0 \$1,300	\$0 \$ 0	\$0 \$0	\$0 \$0	\$0 \$2,946
Subtotal Estimate	0					· · · · · · · · · · · · · · · · · · ·				\$18,473
Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
-Total 9102.3.03.2	PLACE LAYER 2 - PEA GRAVEL		255		\$10,323	\$8,150	\$0	\$0	\$ 0	\$18,473
Memo:	ANSPORT CLAY LOAM FROM SPREA! 9 mile loaded hauf. Assume that a Ca truck, 16 minutes at 35 miles/hour to placed & compacted), & 14 minutes a: trucks (204 FCY/hour total, say 200 di loader & operator for an additional da	terpillar 966 5 CY front en haul a load to the drainfie t 40 miles/hour to return to se to loading rate) could b	ld, 7 minutes to u o the pit = 41 min e utilized due to :	nioad (assume t utes/round trip. traffic & congesi	hat trucks can be This equates to 1 tion: 15,500 FCY o	driven over the cove .46 loads or 20.44 FC	or area for dumpi CY/hour/truck. A	ing after the initial ssume that a max	l lift of loam is dmum of 10	. , , ,
Catamillar 066 5 0V	GEN	U.C. per DAY	10	CN-EQHV	354.9	683	0	0	0	1037.9
	Front End Loader with Operator rental costs plus \$25.90/hour operating		.75 88 3/day excluding op	\$35.49 erator. Source:	\$3,105 Rental Rate Blue B	\$ 5,976 Book.	\$ 0	\$0	\$0	\$9,082
	TRUCK	U.C. per DAY	100	CN-TRHV	3348	5750	0	0	0	9098
30 Ton Bottom Dump	p with Tractor & Driver (10 Each)	7.	75 775	\$33.48	\$25,947	\$44.563	\$0	\$ŏ	\$ŏ	\$70,510
memo: \$27.30/hour	rental costs plus \$30.25/hour operating	costs = \$57.55/hour or \$57	5/day/truck (\$5,75)	Olday for 10 truck	s) excluding drivers	s . Source: Rental Ra	ite Blue Book.			

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

CFA-08 STP DRAINFIELD COVER
Project Location: INEEL/CFA
Estimate Number: 3321-A

Project Name:

LEVEL Org/Subcontractor 9102.3.04.1 TRANSPORT CLAY LOAM FROM SPREA	QTY	<u>Hr</u>	s Cre	w/Rate	<u>Labor</u>	Const Eqp	<u>Mati</u>	S/C	<u>Other</u>	TOTAL
Memo: 9 mile loaded haul. Assume that a C truck, 16 minutes at 35 miles/hour to placed & compacted), & 14 minutes trucks (204 FCY/hour total, say 200 c loader & operator for an additional d	aterpillar 966 5 CY front hauf a load to the draini at 40 miles/hour to return due to loading rate) could	lield, 7 minute: n to the pit = 4 d be utilized di	s to unios: 1 minutes/ ue to traffic	d (assume that round trip. The c & congestion	trucks can be is equates to 1. n. 15.500 FCY o	driven over the cover .46 loads or 20.44 FC	area for dumpi. Y/hour/truck, A	ng after the initial ssume that a maxi	lift of loam is imum of 10	
GEN 4,000 Gallon Water Truck with Operator for Dust Control	U.C. per DAY	7.75		N-EQMD \$34,75	695 \$5,386	772 \$5,983	0 \$0	0 \$0	0 \$0	1467 \$11,369
(2 Each) Memo: \$21.24/hour rental costs plus \$17.35/hour operation	g costs = \$38.59/hour or \$	386/day/truck e	excluding of	perator. Source	: Rental Rate E	Blue Book.				
GEN Laborer Support for Staging Trucks, Traffic Control (2 Each)	U.C. per DAY	7.75	20 CI 155	N-LABR \$31.58	631.6 \$4,895	o \$0	0 \$0	0 \$0	0 \$0	631.6 \$4,895
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$39,334 \$0 \$3,837	\$58,522 \$0 \$4,497	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$95,855 \$0 \$8,334
Subtotal Estimate Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$104,190 \$0 \$0
-Total 9102.3.04.1 TRANSPORT CLAY LOAM FROM SE	PREADING AREA A	1,	173		\$43,171	\$61,019	\$0	\$0	\$0	\$104,190
9102.3.04.2 PLACE PERIMETER LAYER - CLAY LOA Memo: Place material with a Cat D8 dozer & end loader which should be able to a include Cat D4 dozer for 3 days to as	a Cat 140 grader being f stock 800-1,200 FCY of m sist with spreading initia	ed from truck: naterial per day	y, assume gravel. G	800 FCY/day). rader, vibrator	Total placeme y roller, water t	nt rate is 1.500 FCY/d	av. 15.500 FCY	d material (with a divided by 1,600 :	Cat 950 front = 9.69 days.	
GEN Surveying - (2-Man Crew)	U.C. per DAY	4.00	20 CN 80	N-SURV \$33.17	663.4 \$2.654	0 \$ 0	0 \$0	0 \$ 0	0 \$ 0	663.4 \$2,654
GEN Caterpillar D8 Dozer with Operator		9.70	10 CF	N-EQHV \$35.49	354.9 \$3.443	1105 \$10.719	0 \$ 0	0 \$0	0 \$0	1459.9 \$14,161
Memo: \$72.55/hour rental costs plus \$37.95/hour operating	g costs = \$110.50/hour or :	\$1,105/day exc	luding oper	rator. Source:	Rental Rate Blue	e Book.		•		•
rando oodo pido est santosi opoiaum										
GEN Caterpillar 950 4 CY Front End Loader with Operator	U.C. per DAY	9.70	97	N-EQHV \$35.49	354.9 \$3,443	505 \$4,899	0 \$0	0 \$ 0	0 \$0	859.9 \$8,341
GEN Caterpillar 950 4 CY Front End Loader with Operator Memo: \$31.66/hour rental costs plus \$18.80/hour operating	costs = \$50.46/hour or \$5	9.70 505/day exclud	97 ing operato	\$35.49 or. Source: Rei	\$3,443 ntal Rate Blue B	\$4,899 ook.	\$ 0	\$0	\$0	\$8,341
GEN Caterpillar 950 4 CY Front End Loader with Operator	costs = \$50.46/hour or \$5 U.C. per DAY	505/day exclud	97 ing operato 10 Ch 20	\$35.49 or. Source: Rei N-EQMD \$34.75	\$3,443 ntal Rate Blue B 347.5 \$695	\$4,899 ook. 416 \$832				

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

LEVEL - 9102.3.04.2	Org/Subcontractor PLACE PERIMETER LAYER - CLAY LOA	QTY	ÃREA A	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Mati</u>	s/c	Other	TOTAL
Memo:	Place material with a Cat D8 dozer & end loader which should be able to include Cat D4 dozer for 3 days to a	a Cat 140 grader being stock 800-1,200 FCY of	j fed from ti material pe	r day, ass	ume 800 FCY/day	y). Total placeme	ent rate is 1,600 FCY/	day. 15,500 FCY	ed material (with a divided by 1,600	Cat 950 front = 9.69 days.	
Caterpillar CB53 Roller with Opera	GEN 4B Double Drum 20,500 LB. Vibratory	U.C. per DAY	9.70	10 97	CN-EQMD \$34.75	347.5 \$3,371	475 \$4,608	0 \$0	0 \$0	0 \$ 0	822.5 \$7,978
Memo: \$36.73/I	hour rental costs plus \$10.80/hour operatin compaction with clay/silt material as well a	g costs = \$47.53/hour or s a sheepsfoot roller will	\$475/day e:	xcluding of	perator. Source: F	Rental Rate Blue E	Book. Note: This is a s	mooth drum rolle	r (required per Spe	cifications) that	will not
4,000 Gallon Wa Control/Compact	GEN ter Truck with Operator for Dust tion	U.C. per DAY	9.70	10 97	CN-EQMD \$34.75	347.5 \$ 3,371	386 \$3,744	\$0 \$0	o \$0	° \$0	733.5 \$ 7,115
	hour rental costs plus \$17.35/hour operating	g costs = \$38.59/hour or	\$386/day e	xcluding of	perator. Source: F	Rental Rate Blue E	Book.				
Laborer Support	GEN	U.C. per DAY	9.70	10 97	CN-LABR \$31.58	315.8 \$3,063	0 \$0	0 \$0	0 \$0	0 \$0	315.8 \$3,063
Subtotal Sales Tax INEEL ORG L	abor/Subcontractor Overheads					\$23,481 \$0 \$4,455	\$29,942 \$0 \$5,681	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$53,423 \$0 \$10,136
Subtotal Estir Escalation Contingency	mate	0 10 20 11 10				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$63,558 \$0 \$0
	04.2 PLACE PERIMETER LAYER - CLAY DING AREA A	LOAM FROM		682		\$27,936	\$35,622	\$0	\$0	\$0	\$63,558
<i>Memo:</i> Caterpillar 966 5	TRANSPORT LAYER 1 - SILT LOAM FR(11 mile loaded haul. Assume that a truck, 19 minutes at 35 miles/hour to is placed & compacted), & 17 minute trucks (179 FCV/hour) could be utiliz GEN CY Front End Loader with Operator nour rental costs plus \$25.90/hour operatin-	Caterpillar 966 5 CY fro haul a load to the drai is at 40 miles/hour to re led due to traffic & con U.C. per DAY	nfield, 7 min eturn to the gestion. 31	nutes to u pit = 47 m ,950 FCY 10 179	inioad (assume th ninutes/round trip divided by (179 c CN-EQHV \$35.49	nat trucks can be This equates to y/hour x 10 hours 354.9 \$6,335	driven over the cove o 1.28 loads or 17.87 s/day) = 17.85 crew d 683 \$12.192	r area for unload FCY/hour/truck.	ling after the initia	il lift of loam	1037.9 \$18,527
	TRUCK lump with Tractor & Driver (10 Each) nour rental costs plus \$30.25/hour operatin	U.C. per DAY g costs = \$57.55/hour or	17.85 \$575/day/tn	100 1,785 uck (\$5,75	CN-TRHV \$33.48 0/day for 10 trucks	3348 \$59,762 a) excluding drivers	5750 \$102,638 s . Source: Rental Ra	0 \$0 te Blue Book.	o \$0	° \$0	9098 \$162,399
(2 Each)	GEN ter Truck with Operator for Dust Control nour rental costs plus \$17.35/hour operating	U.C. per DAY	17.85 \$386/day/tn	20 357 uck exclud	CN-EQMD \$34.75	695 \$12,406	772 \$13,780	0 \$0	0 \$0	0 \$ 0	1467 \$26,186

13

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

LEVEL Org/Subcontractor	QTY	. 1	Hrş.	Crew/Rate	Labor	Const Eap	<u>Mati</u>	S/C	Other	TOTAL
9102.3.05.1 TRANSPORT LAYER 1 - SILT LOAM FRO Memo: 11 mile loaded haul. Assume that a 0		nt and loader	r cen los	ed 14 ECV hottom	dumn trucke et e	rate of 200 FCV/hou	ir. Aggume that	it takes 4 minute	e to load a	
truck, 19 minutes at 35 miles/hour to										
is placed & compacted), & 17 minute.								Assume that a n	aximum of 10	
trucks (179 FCY/hour) could be utilize		estion. 31,9				/day) = 17.85 crew d				
GEN	U.C. per DAY	47.05	20	CN-LABR	631.6	0	0	0	0	631.6
Laborer Support for Staging Trucks, Traffic Control (2 Each)		17.85	357	\$31.58	\$11,274	\$0	\$0	\$0	\$0	\$11,274
Memo: Perform topographical survey of Lincoln Blvd. Pit be	elore & after material rem	noval, calculat	e volum	es, etc.						
Subtotal					\$89,777	\$128,609	\$0	\$0	\$0	\$218,386
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$8,683	\$10,059	\$0	\$0	\$0	\$18,742
Subtotal Estimate										\$237,128
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total 9102.3.05.1 TRANSPORT LAYER 1 - SILT LOAM LINCOLN BLVD.	FROM		2,678		\$98,459	\$138,669	\$0	\$0	\$0	\$237,128
Memo: Place material with a Cat D8 dozer & end loader which should be able to s include Cat D4 dozer for 3 days to as	tock 800-1,200 FCY of I	material per e	day, ass	ume 800 FCY/day	. Total placeme	nt rate is 1,600 FCY/	day. 31,950 FC1			
GEN	U.C. per DAY		20	CN-SURV	663.4	0	0	0	0	663.4
Surveying - (2-Man Crew)	,	7.00	140	\$33.17	\$4,644	\$0	\$0	\$0	\$0	\$4,644
GEN	U.C. per DAY		10	CN-EQHV	354.9	1105	0	0	0	1459.9
Caterpillar D8 Dozer with Operator		20.00	200	\$35.49	\$7,098	\$22,100	\$0	\$0	\$0	\$29,198
Memo: \$72.55/hour rental costs plus \$37.95/hour operating	costs = \$110.50/hour or	r \$1,105/day e	excluding	g operator. Source:	Rental Rate Blu	e Book.				
GEN	U.C. per DAY		10	CN-EQHV	354.9	505	0	0	o	859.9
Caterpillar 950 4 CY Front End Loader with Operator		20.00	200	\$35.49	\$7,098	\$10,100	\$0	\$0	\$0	\$17,198
Memo: \$31.66/hour rental costs plus \$18.80/hour operating	costs = \$50.46/hour or :	\$505/day exc	luding of	perator. Source: R	ental Rate Blue B	look.				
GEN	U.C. per DAY		10	CN-EQMD	347.5	416	0	0	0	763.5
Caterpillar D4 Dozer with Operator	•	3.00	30	\$34.75	\$1,043	\$1,248	\$0	\$0	\$0	\$2,291
Memo: \$26.48/hour rental costs plus \$15.15/hour operating	costs = \$41.63/hour or	\$416/day exc	luding of	perator. Source: R	ental Rate Blue B	look.				
GEN	U.C. per DAY		10	CN-EQHV	354.9	530	0	0	0	884.9
Caterpillar 140 Road Grader with Operator	****	20.00	200	\$35.49	\$7,098	\$10,600	\$0	\$0	\$0	\$17,698
Memo: \$33.79/hour rental costs plus \$19.25/hour operating	costs = \$53.04/hour or	\$530/day exc	luding of	perator. Source: R	ental Hate Blue B	500K.				
GEN	U.C. per DAY		10	CN-EQMD	347.5	475	0	0	0	822.5
Caterpillar CB534B Double Drum 20,500 LB. Vibratory Boller with Operator		20.00	200	\$34.75	\$6,950	\$9,500	\$0	\$0	\$0	\$16,450

Memo: \$36.73/hour rental costs plus \$10.80/hour operating costs = \$47.53/hour or \$475/day excluding operator. Source: Rental Rate Blue Book. Note: This is a smooth drum roller (required per Specifications) that will not achieve compaction with clay/silt material as well as a sheepsfoot roller will.

14

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor 9102.3.05.2 PLACE LAYER 1 - SILT LOAM FROM LIN	QTY	_	<u>Hrs</u>	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	_S/C	Other	TOTAL
Memo: Place material with a Cat D8 dozer & end loader which should be able to s include Cat D4 dozer for 3 days to as	tock 800-1,200 FCY of	' material p	er day, ass	ume 800 FCY/day	v). Total placeme	ent rate is 1.600 FCY/	dav. 31.950 FC	ed material (with a Y divided by 1,600	a Cat 950 front ±19.97 days.	
GEN	U.C. per DAY		10	CN-EQMD	347.5	386	0	0	0	733.5
4,000 Gallon Water Truck with Operator for Dust Control/Compaction Memo: \$21.24/hour rental costs plus \$17.35/hour operating	costs = \$38.59/hour o	20.00 r \$386/day	200 excluding of	\$34.75 perator. Source: F	\$6,950 Rental Rate Blue I	\$7,720 Book.	\$0	\$ 0	\$ O	\$14,670
GEN	U.C. per DAY		10	CN-LABR	315.8	0	0	0	0	315.8
Laborer Support		20.00	200	\$31.58	\$6,316	\$0	\$0	\$ŏ	\$ŏ	\$6,316
Subtotal Sales Tax	*				\$47,196	\$61,268	\$0	\$0	\$0	\$108,464
INEEL ORG Labor/Subcontractor Overheads					\$0 \$8,954	\$0 \$11,624	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$20,579
Subtotal Estimate Escalation										\$129,043
Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Total 9102.3.05.2 PLACE LAYER 1 - SILT LOAM FROM BLVD. PIT	LINCOLN		1,370		\$56,151	\$72,892	\$0	\$0	\$0	\$129,043
9102,3.06.1 SURVEY BORROW PITS BEFORE MATE						_				
Surveying - (2-Man Crew) Memo: Perform topographical survey of the 3 borrow pits be	U.C. per DAY efore material removal.	2.00	20 40	CN-SURV \$33.17	663.4 \$1,327	\$0 \$0	0 \$0	\$0 \$0	\$0 \$0	663.4 \$1,327
Subtotal					\$1,327	\$0	\$0	\$ 0	\$0	\$1,327
Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$0 \$252	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$252
Subtotal Estimate					4101	-				\$1,579
Escalation Contingency					\$0	\$0	\$0	\$0	\$0	\$0
					\$0	\$0	\$0	\$0	\$0	\$0
Total 9102.3.06.1 SURVEY BORROW PITS BEFORE MA	ATERIAL		40		\$1,579	\$0	\$0	\$0	\$0	\$1,579
9102.3.06.2 SURVEY BORROW PITS AFTER RE-GRA										
GEN Surveying - (2-Man Crew)	U.C. per DAY	3.00	20 60	CN-SURV \$33.17	663.4 \$1,990	0 \$0	0 \$0	o \$0	0	663.4
Memo: Perform topographical survey of the 3 borrow pits at	ter material removal, ca			φ.σ. 17	φ1, 33 0	3 0	> ∪	ΦU	\$0	\$1,990

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor 9102.3.06.2 SURVEY BORROW PITS AFTER RE-GRAD	QTY DING	-	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	<u>Mati</u>	S/C	<u>Other</u>	TOTAL
Subtotal					\$1,990	\$0	\$0	\$0	\$ 0	\$1,990
Sales Tax					\$0	\$0	\$0	\$0	\$ 0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$378	\$0	\$0	\$0	\$0	\$378
Subtotal Estimate										\$2,368
Escalation Contingency					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Total 9102.3.06.2 SURVEY BORROW PITS AFTER RE-G	RADING		60		\$2,368	\$0	\$0	\$0	\$0	\$2,368
- 9102.3.06.3 SURVEY DRAINFIELD AFTER EARTHWOI	K COMPLETION									
GEN	U.C. per DAY		20	CN-SURV	663.4	0	0	0	0	663.4
Surveying - (2-Man Crew)		2.00	40	\$33.17	\$1,327	\$0	\$0	\$0	\$0	\$1,327
Memo: Topographical survey of final surface & volume calcu	lations.									
Subtotal					\$1,327	\$0	\$0	\$0	\$ 0	\$1,327
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$252	\$0	\$0	\$0	\$0	\$252
Subtotal Estimate										\$1,579
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total 9102.3.06.3 SURVEY DRAINFIELD AFTER EARTH COMPLETION	WORK		40		\$1,579	\$0	\$0	\$0	\$0	\$1,579
9102.3.07 PLACE PIT RUN GRAVEL IN DISTRIBUTION	BOXES									
GEN	U.C. per EA		4	CN-SKWK	138.08	30	0	0	0	168.08
Place Pit Run Gravel in Distribution Boxes		5.00	20	\$34.52	\$690	\$150	\$0	\$0	\$0	\$840
Subtotal					\$690	\$150	\$0	\$0	\$0	\$840
Sales Tax					\$0	\$0	\$0	\$0	\$ 0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$131	\$28	\$0	\$0	\$0	\$159
Subtotal Estimate						•				\$1,000
Escalation					\$0	\$0	\$0	\$0	\$0	\$0
Contingency					\$0	\$0	\$0	\$0	\$0	\$0
Total 9102.3.07 PLACE PIT RUN GRAVEL IN DISTRIBUT	TION BOXES		20		\$821	\$178	\$0	\$0	\$0	\$1,000
9102.3.08 PROOF ROLL DRAINFIELD										
GEN	U.C. per ACRE		2	CN-EQMD	69.5	95.06	0	0	0	164.56
Proof Roll Drainfield with 4 Passes (Vibratory Roller with Operator)		10.00	20	\$34 .75	\$695	\$951	\$0	\$0	\$0	\$1,646
Memo: \$36.73/hour rental costs for roller plus \$10.80/hour or	perating costs = \$47.53	hour or \$	95.06/acre	excluding operator.	Source: Rental	Rate Blue Book.				

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor 9102.3.08 PROOF ROLL DRAINFIELD	QTY	Hrs	Crew/Rate	<u>Labor</u>	Const Eqp	Mati	S/C	Other	TOTAL
Subtotal			V-v/	\$695	\$951	\$0	\$0	\$0	\$1,646
Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$0 \$132	\$0 \$180	\$0	\$0	\$0	\$0
				\$132	\$180	\$0	\$0	\$0	\$312
Subtotal Estimate Escalation									\$1,958
Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Total 9102.3.08 PROOF ROLL DRAINFIELD		20		\$827	\$1,131	\$0	\$0	\$0	\$1,958
- 9102.3.09 GRADE & RESHAPE CFA PIT									
GEN	U.C. per ACRE	8	CN-EQHV	283.92	547	0	0	0	830.92
Grade & Reshape Disturbed Areas at CFA Pit Memo: Assume 1 acre is disturbed. Caterpillar 966 5 CY front er	1.00	8	\$35.49	\$284	\$547	\$0	\$0	\$0	\$831
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$284 \$0 \$54	\$547 \$0 \$104	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$831 \$0 \$158
0.14.4.15.4.4									
Subtotal Estimate Escalation				\$0	\$0	*0	**	#0	\$989
Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
- Total 9102.3.09 GRADE & RESHAPE CFA PIT	· · · · · · · · · · · · · · · · · · ·	8		\$338	\$651	\$0	\$0	\$0	\$989
- 9102.3.10 GRADE & RESHAPE SPREADING AREA A								•	****
GEN	U.C. per ACRE	8	CN-EQHV	283.92	547	0	0	0	830.92
Grade & Reshape Disturbed Areas at Spreading Area A	3.00	24		\$852	\$1,641	\$0	\$0	\$0	\$2,493
Memo: Assume 3 acres are disturbed. Caterpillar 966 5 CY front Rental Rate Blue Book.	end loader with operator.	\$42.42/hour	rental costs pius \$2	5.90/hour operati	ing costs = \$68.32/hou	ir, \$547 for 8 hou	rs (1 acre) excludir	ng operator. Sou	rce:
Subtotal				\$852	\$1,641	\$0	\$0	\$0	\$2,493
Sales Tax				\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads				\$162	\$311	\$0	\$0	\$0	\$473
Subtotal Estimate									\$2,966
Escalation				\$0	\$0	\$0	\$0	\$0	\$0
Contingency				\$0	\$0	\$0	\$0	\$0	\$0
-Total 9102.3.10 GRADE & RESHAPE SPREADING AREA A		24		\$1,013	\$1,952	\$0	\$0	\$0	\$2,966
- 9102,3,11 GRADE & RESHAPE LINCOLN BLVD, PIT									
GEN Crado & Barbana Districted Areas at Lincoln Blad. Bit	U.C. per ACRE	8	CN-EQHV	283.92	547	0	.0	0	830.92
Grade & Reshape Disturbed Areas at Lincoln Blvd. Pit Memo: Assume 3 acres are disturbed. Caterpillar 966 5 CY front	3.00 end loader with operator	\$42.42/hour		\$852 5 90/hour onerati	\$1,641 no costs = \$68,32/box	\$0 or \$547 for 8 hou	\$0 rs (1 acre) excludir	\$0	\$2,493
Rental Rate Blue Book.		Ţ.B. 1881.001		S. S. S. House operati	g	., 40-77 101 0 1700	(· Bolo) excludii	ig operator. Sou	

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor 9102.3.11 GRADE & RESHAPE LINCOLN BLVD, PIT	QTY	Hrs	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	_S/C_	<u>Other</u>	TOTAL
Subtotal				\$852	\$1,641	\$0	\$0	\$0	\$2,493
Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$0 \$162	\$0 \$311	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$ 473
Subtotal Estimate									\$2,966
Escalation Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0
Total 9102.3.11 GRADE & RESHAPE LINCOLN BLVD. PIT		24		\$1,013	\$1,952	\$0 \$0			\$0
		24		\$1,013	\$1,952	\$0	\$0	\$0	\$2,966
- 9102.3.12 BUILD RAMP AT SPREADING AREA A GEN	U.C. per LOT	60	CN-EQHV	2129.4	4220	1000	0	0	7349.4
Build Ramp at Spreading Area A Memo: Allowance-scope of work unknown. Assume 1 Caterpillar	1.00	0 60	\$35.49	\$2,129	\$4,220	\$1,000	\$0	\$0	\$7.349
Subtotal				\$2,129	\$4,220	\$1,000	\$0	\$ 0	\$7.349
Sales Tax				\$2,129 \$0	\$4,220 \$0	\$1,000 \$0	\$0 \$0	\$0 \$0	\$7,349 \$0
INEEL ORG Labor/Subcontractor Overheads				\$404	\$801	\$190	\$0	\$0	\$1,394
Subtotal Estimate Escalation									\$8,744
Contingency				\$0 \$0	\$0 \$0	0 \$ 0 \$	\$0 \$0	\$0 \$0	\$0 \$0
Total 9102.3.12 BUILD RAMP AT SPREADING AREA A		60			•-			<u></u>	
		90		\$2,533	\$5,021	\$1,190	\$0	\$0	\$8,744
 9102.4 INSTALL NEW PERIMETER FENCE Memo: Assume that new fence installation work with 	II he performed in late	EV 2002 or an		to recommendation	ماسمد				
GEN	U.C. per DAY	20	CN-SURV	663.4	0	0	o	0	663.4
Survey/Layout of New Fence	0.50		\$33.17	\$332	\$ 0	\$0	\$ŏ	\$0	\$332
Memo: 2-man crew to lay out fence.									
	U.C. per LF	0.15	CN-SKWK	5.178	2.3	3	0	0	10.478
nstall 6' High Perimeter Chainlink Fence	2,970.00		\$34.52	\$15,379	\$6,831	\$8,910	\$0	\$0	\$31,120
Memo: Re-use 2,600 LF of GFE fabric from existing perimeter fen O.C. set 3'-6" deep in concrete. No funds for rock drilling f	ce, purchase & install 3 or posts are included in	/U L.F of new fa the estimate.	Dric (see activity be	How for new table	matenal cost). Inclu	des turnishing & i	nstalling new 2-3/8	diameter line p	osts 10'-0"
FENCE	U.C. per EA	13	CN-SKWK	448.76	125	200	0	0	773.76
Install GFE 20' Double Swing Chainlink Gates	4.00		\$34.52	\$1,795	\$500	\$800	\$0	\$0	773.78 \$3,095
Memo: Material costs are for new gate posts, concrete, & misc. ha	rdware.				•	*	70		40,000

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL	Org/Subcontractor NEW PERIMETER FENCE	QTY		Hrs	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	_S/C_	<u>Other</u>	TOTAL
	Assume that new fence installation wo	rk will be performed	in late FY 20	02 or ea	rly FY 2003 prior to	revegetation w					
Purchase New 6' His	FENCE gh 9 Gauge Chainlink Fence Fabric	U.C. per LF	370.00	0		\$0 \$0	0 \$0	4.2 \$1,554	0 \$ 0	\$0 \$0	4.2 \$1,554
Subtotal Sales Tax INEEL ORG Labo	r/Subcontractor Overheads					\$17,505 \$0 \$4,538	\$7,331 \$0 \$1,910	\$11,264 \$0 \$2,935	\$0 \$0 \$0	\$0 \$0 \$0	\$36,100 \$0 \$9,383
Subtotal Estimat Escalation Contingency	0					\$463 \$0	\$194 \$0	\$298 \$0	\$0 \$0	\$0 \$0	\$45,483 \$955 \$0
Total 9102.4 INS	TALL NEW PERIMETER FENCE			508		\$22,506	\$9,435	\$14,497	\$0	\$0	\$46,439
Soil Analysis	ARE & SEED DRAINFIELD COVER LAND cours at \$75/hour for labor & equipment to	U.C. per EA	1.00 make report.	0		0 \$ 0	0 \$0	0 \$0	600 \$600	0 \$0	600 \$600
Operator for Farm T	LAND ractor	U.C. per DAY	2.00	10 20	CN-EQMD \$34.75	347.5 \$ 695	0 \$0	0 \$0	0 \$0	0 \$0	347.5 \$695
Laborer Support	LAND	U.C. per DAY	2.00	10 20	CN-LABR \$31.58	315.8 \$ 632	0 \$0	0 \$0	0 \$0	0 \$ 0	315.8 \$ 632
Farm Tractor	LAND	U.C. per DAY	2.00	0		0 \$0	300 \$600	0 \$0	0 \$0	0 \$0	300 \$600
Disk	LAND	U.C. per DAY	2.00	0		0 \$0	80 \$160	0 \$0	0 \$ 0	0 \$ 0	80 \$160
Harrow	LAND	U.C. per DAY	2.00	0		0 \$0	40 \$80	0 \$0	0 \$0	0 \$0	40 \$80
Fertilizer Spreader	LAND	U.C. per DAY	2.00	0		0 \$0	125 \$250	0 \$0	0 \$0	0 \$ 0	125 \$ 250
Grain Drill	LAND	U.C. per DAY	2.00	0		0 \$0	125 \$ 250	0 \$0	0 \$0	0 \$ 0	125 \$250
	GEN Fruck with Operator for Dust Control rental costs plus \$17.35/hour operating co	U.C. per DAY	2.00 \$386/day exc	10 20 cluding of	CN-EQMD \$34.75 perator. Source: Re	347.5 \$695 ental Rate Blue B	386 \$772 Book.	0 \$0	0 \$0	0 \$0	733.5 \$1,467
Purchase Seed Memo: \$180/acre in	LAND acludes sales tax and delivery per a quotat	U.C. per ACRE	10.00 n Growers in I	0 Blackfoot	3/20/02.	0 \$0	0 \$0	180 \$1,800	0 \$0	0 \$ 0	180 \$1,800

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL Org/Subcontractor 9102.5.01 PREPARE & SEED DRAINFIELD COVER	QTY		Hrs	Crew/Rate	Labor	Const Eqp	<u>Matl</u>	S/C	Other	TOTAL
LAND Purchase Fertilizer Memo: Assume 100 lbs. per acre of 11-52 monoammonium	U.C. per ACRE phosphate.	10.00	0		0 \$ 0	0 \$0	25 \$250	0 \$0	° \$0	25 \$250
Subtotal Sales Tax					\$2,022 \$0	\$2,112 \$0	\$2,050 \$0	\$600 \$0	\$0 \$0	\$6,784 \$0
INEEL ORG Labor/Subcontractor Overheads					\$478	\$496	\$534	\$156	\$0	\$1,664
Subtotal Estimate										\$8,447
Escalation Contingency					\$52 \$0	\$55 \$ 0	\$54 \$ 0	\$16 \$ 0	\$0 \$0	\$177 \$0
Total 9102.5.01 PREPARE & SEED DRAINFIELD COVE	R		60		\$2,552	\$2,662	\$2,638	\$772	\$0	\$8,625
9102.5.02 PLACE GFE WOOD CHIP MULCH AT DRAIL Memo: 157 tons = 314,000 lbs. total for 10 acc subcontractor and that the subcontra personnel at no cost to the subcontra	res. Assume 20 pcf = ctor is allowed acces ctor.	:15,700 cf or is for loading	the chip	os into dump truck	s. Assume that	any dust control req	uired at the land	dfill will be perfort	med by landfill	
LAND Load Wood Chip Mulch into Dump Trucks with Loader	U.C. per DAY	1.00	10 10	CN-EQHV \$35.49	354.9 \$355	505 \$505	Q \$ 0	0 \$0	0 \$ 0	859.9 \$860
Memo: Assume that 2 each 12 cy dump trucks can haul 2-1 \$31.66/hour rental costs plus \$18.80/hour operating	/2 loads/hour each to t costs = \$50,46/hour o	he drainfield,	including	loading & unloadin	g time. This equi	ates to 60 cy/hour or 9.	7 hours (say 10)	or 1 day to load &	haul 581 cy of m	ulch.
LAND	U.C. per DAY		20	CN-TRHV	669.6	748	0	0	0	1417.6
Haul Wood Chip Mulch to Drainfield in Dump Trucks (2 Each) Memo: \$17.52/hour rental costs for a 12 cy dump truck plus	\$10 00/hour anamtine	1.00	20 42/bour o	\$33.48	\$670	\$748	\$0 Saurana Bantal S	\$0	\$0	\$1,418
		CUSIS = 457.4					Source: Hentai r	tate blue Book.		
LAND Load Wood Chip Mulch into Manure Spreader with Loader	U.C. per DAY	3.20	10 32	CN-EQHV \$35.49	354.9 \$1.136	505	0	0	0	859.9
Memo: 581 cy total. Assume that a 6 cy spreader can be lo \$18.80/hour operating costs = \$50.46/hour or \$505/6	aded in 5 minutes & ur	nloaded in 15	minutes.	This equates to 18	cy/hour or 32 ho	\$1,616 ours (3.2 days) total for Blue Book.	\$0 loading & spread	\$0 ding. \$3 1.66/hour i	\$0 rental costs plus	\$2,752
LAND	U.C. per DAY		10	CN-EQMD	347.5	450	•			
Spread Wood Chip Mulch onto Drainfield with Manure Spreader	O.O. per DAT	3.20	32	\$34.75	\$1,112	\$1,440	0 \$0	0 \$0	0 \$ 0	797.5 \$2 ,552
Memo: Farm tractor & manure loader at \$45/hour or \$450/d	ay excluding operator.									
GEN	U.C. per DAY		10	CN-EQMD	347.5	386	0	0	0	733.5
4,000 Gallon Water Truck with Operator for Dust Control at Drainfield		4.20	42	\$34.75	\$1,460	\$1,621	\$0	\$0	\$O	\$3,081
Memo: Required 1 day during mulch hauling operations & 3 Blue Book.	.2 days during spreadi	ng operations.	. \$21.24/	/hour rental costs pl	us \$17.35/hour o	perating costs = \$38.5	9/hour or \$386/d	ay excluding opera	tor. Source: Rer	ntal Rate
LAND	U.C. per DAY		20	CN-LABR	631.6	0	0	0	0	631.6
Laborer Support During Mulch Hauling Operations (2 Each) Memo: 1 laborer at tandfill & 1 laborer at drainfield for stagin	in thicks traffic control	1.00	20	\$31.58	\$632	\$0	\$0	\$0	\$0	\$632
	iy nacha, name comidi	, Cu.								

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

LEVEL - 9102.5.02 PLA	Org/Subcontractor ACE GFE WOOD CHIP MULCH		-	Hrs	Crew/Rate	Labor	Const Eqp	<u>Matl</u>	S/C	Other	TOTAL
Memo:	subcontractor and that the se personnel at no cost to the s		15,700 cf oi s for loadin	r 581 cy. A g the chip	Assume that a sufi s into dump truck	icient quantity of a control of the	of chips are available any dust control requ	at the CFA land uired at the land	dfill at no cost to t dfill will be perform	he ned by landfill	
	LAND ruring Mulch Spreading Operation at drainfield to assist with loading		3.20	10 32	CN-LABR \$31.58	315.8 \$1,011	\$0 \$0	\$0 \$0	\$ 0	\$0 \$0	315.8 \$1,011
Subtotal Sales Tax INEEL ORG Lab	por/Subcontractor Overheads					\$6,374 \$0 \$1,557	\$5,930 \$0 \$1,430	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$12,304 \$0 \$2,988
Subtotal Estima Escalation Contingency	ate					\$167 \$0	\$155 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$15,292 \$321 \$0
Total 9102.5.02 COVER	PLACE GFE WOOD CHIP MUL	CH AT DRAINFIELD		188		\$8,098	\$7,515	\$0	\$0	\$0	\$15,613
Memo: Soil Analysis	PARE & SEED SPREADING AI Assume 3 acres are disturbed LAND hours at \$75/hour for labor & equ	d. No mulching is required. U.C. per EA	1.00 make repor	0 t.		0 \$0	0 \$ 0	0 \$0	600 \$600	0 \$0	600 \$600
Operator for Farm	LAND Tractor	U.C. per DAY	1.50	10 15	CN-EQMD \$34.75	347.5 \$521	0 \$0	0 \$0	0 \$ 0	0 \$0	347.5 \$ 521
Laborer Support	LAND	U.C. per DAY	1.50	10 15	CN-LABR \$31.58	315.8 \$474	0 \$ 0	0 \$0	0 \$0	0 \$0	315.8 \$ 474
Farm Tractor	LAND	U.C. per DAY	1.50	o		0 \$0	300 \$450	0 \$0	0 \$0	0 \$0	300 \$450
Disk	LAND	U.C. per DAY	1.50	0		0 \$0	80 \$120	0 \$0	0 \$0	0 \$ 0	80 \$ 120
Harrow	LAND	U.C. per DAY	1.50	0		0 \$0	40 \$60	0 \$0	0 \$0	0 \$ 0	40 \$60
Fertilizer Spreader	LAND	U.C. per DAY	1.50	0		0 \$0	125 \$188	0 \$0	0 \$ 0	0 \$0	125 \$188
Grain Drill	LAND	U.C. per DAY	1.50	0		0 \$0	125 \$188	0 \$0	0 \$0	0 \$ 0	125 \$188
	GEN r Truck with Operator for Dust Co ur rental costs plus \$17.35/hour of		1.50 \$386/day e	10 15 xcludina op	CN-EQMD \$34.75 erator, Source: Re	347.5 \$521 ental Rate Blue E	386 \$579 Book.	0 \$0	° \$0	° \$0	733.5 \$1,100

CONSTRUCTION DETAIL ITEM REPORT Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL 9102.5.03 PREP	Org/Subcontractor PARE & SEED SPREADING AREA A	QTY	-	Hrs	Crew/Rate	Labor	Const Eqp	<u>Matl</u>	S/C	Other	TOTAL
Memo: Purchase Seed	Assume 3 acres are disturbed. No mu LAND ncludes sales tax and delivery per a quota	U.C. per ACRE	3.00 Growers in	0 Blackfoot	3/20/02.	0 \$ 0	0 \$0	190 \$ 570	0 \$0	0 \$0	190 \$570
Purchase Fertilizer Memo: Assume 100	LAND Dibs. per acre of 11-52 monoammonium p	U.C. per ACRE phosphate.	3.00	0		0 \$0	0 \$0	25 \$ 75	0 \$0	0 \$0	25 \$ 75
Subtotal Sales Tax INEEL ORG Labor	r/Subcontractor Overheads					\$1,516 \$0 \$358	\$1,584 \$0 \$372	\$645 \$0 \$168	\$600 \$0 \$156	\$0 \$0 \$0	\$4,345 \$0 \$1,054
Subtotal Estimate Escalation Contingency	•					\$39 \$0	\$41 \$0	\$17 \$ 0	\$16 \$0	\$0 \$0	\$5,399 \$113 \$0
-Total 9102.5.03 P	PREPARE & SEED SPREADING AREA	4		45		\$1,914	\$1,997	\$830	\$772	\$0	\$5,513
Memo: Soil Analysis	ARE & SEED LINCOLN BLVD. PIT Assume 3 acres are disturbed. No mustaND	U.C. per EA	1.00	0		0 \$ 0	0 \$0	0 \$ 0	600 \$600	0 \$0	600 \$ 600
Memo: Assume 8 h	ours at \$75/hour for labor & equipment to	take samples, test, & r	nake report.								
Operator for Farm Tr	LAND ractor	U.C. per DAY	1.50	10 15	CN-EQMD \$34.75	347.5 \$521	0 \$ 0	0 \$ 0	0 \$0	0 \$0	347.5 \$521
Laborer Support	LAND	U.C. per DAY	1.50	10 15	CN-LABR \$31.58	315.8 \$ 474	0 \$0	0 \$0	0 \$0	0 \$ 0	315.8 \$474
Farm Tractor	LAND	U.C. per DAY	1.50	0		0 \$ 0	300 \$450	0 \$0	0 \$0	0 \$0	300 \$450
Disk	LAND	U.C. per DAY	1.50	0		0 \$ 0	80 \$120	0 \$ 0	0 \$0	0 \$0	80 \$120
Harrow	LAND	U.C. per DAY	1.50	0		0 \$ 0	40 \$60	0 \$0	0 \$0	0 \$ 0	40 \$60
Fertilizer Spreader	LAND	U.C. per DAY	1.50	0		0 \$ 0	125 \$188	0 \$0	0 \$0	0 \$0	125 \$188
Grain Drill	LAND	U.C. per DAY	1.50	0		0 \$0	125 \$188	0 \$0	0 \$0	0 \$0	125 \$188
4,000 Gallon Water T Memo: \$21.24/hour	GEN Fruck with Operator for Dust Control rental costs plus \$17.35/hour operating of	U.C. per DAY	1.50 \$386/day ex	10 15 cluding op	CN-EQMD \$34.75 erator. Source: Re	347.5 \$521 ental Rate Blue E	386 \$579 Book.	0 \$0	0 \$0	° \$0	733.5 \$1,100

AIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

	Org/Subcontractor RE & SEED LINCOLN BLVD. PIT	QTY	<u>′</u>	<u>Hrs</u>	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	S/C	<u>Other</u>	TOTAL
Purchase Seed	ssume 3 acres are disturbed. No mul LAND cludes sales tax and delivery per a quota	U.C. per ACR	3.00	0 in Blackfoot	: 3/20/02.	0 \$0	0 \$0	180 \$540	0 \$0	0 \$ 0	180 \$540
Purchase Fertilizer Merno: Assume 100	LAND lbs. per acre of 11-52 monoammonium p	U.C. per ACR	3.00	0		0 \$ 0	0 \$0	25 \$ 75	0 \$0	0 \$0	25 \$ 75
Subtotal Sales Tax INEEL ORG Labor/	Subcontractor Overheads					\$1,516 \$0 \$358	\$1,584 \$0 \$372	\$615 \$0 \$160	\$600 \$0 \$156	\$0 \$0 \$0	\$4,315 \$0 \$1,046
Subtotal Estimate Escalation Contingency						\$39 \$0	\$41 \$0	\$16 \$0	\$16 \$0	\$0 \$0	\$5,362 \$ 113 \$ 0
Total 9102.5.04 PF	REPARE & SEED LINCOLN BLVD. PIT			45		\$1,914	\$1,997	\$792	\$772	\$0	\$5,474
- 9116.1 INSTALL	NEW FENCE GROUNDING ELEC itad Ground Rods	U.C. per EA	5.00	1 5	CN-ELEC \$35.89	35.89 \$179	o \$0	25.5 \$128	0 \$0	o \$0	61.39 \$ 307
Ground Rod Clamps	ELEC	U.C. per EA	39.00	0.5 20	CN-ELEC \$35.89	17.945 \$700	0 \$0	26.5 \$1,034	\$0	° \$0	44.445 \$1,733
1/2" x 1" Flexible Grou	ELEC and Straps	U.C. per EA	8.00	0.5 4	CN-ELEC \$35.89	17.945 \$ 144	0 \$0	15 \$120	0 \$0	° \$0	32.945 \$2 64
2/0 Ground Wire Memo: 70 LF plus 20	ELEC	U.C. per LF	650.00	0.01 7	CN-ELEC \$35.89	0.359 \$233	0 \$0	0.7 \$45 5	0 \$0	° \$0	1.059 \$688
2/0 Bare Risers (4'-0"	ELEC each)	U.C. per EA	31.00	0. 25 8	CN-ELEC \$35.89	8.972 \$278	0 \$0	2.8 \$87	0 \$0	0 \$ 0	11.772 \$ 365
2/0 to Ground Rod Ca Memo: 4 each ground	ELEC dweld d rods to 2/0 wire, 4 each 2/0 wire to #6 to	U.C. per EA wire, 6 each jumpe	5.00 rs.	1 5	CN-ELEC \$35.89	35.89 \$179	0 \$0	10 \$50	0 \$0	0 \$ 0	45.89 \$ 229
2/0 Tee Cadweld Memo: 4 each ground	ELEC d rods to 2/0 wire, 4 each 2/0 wire to #6	U.C. per EA	27.00 rs.	1 27	CN-ELEC \$35.89	35.89 \$969	0 \$0	10 \$ 270	0 \$0	0 \$ 0	45.89 \$ 1,239
2/0 Copper Kearny	ELEC	U.C. per EA	18.00	0.33 6	CN-ELEC \$35.89	11.844 \$213	0 \$0	8.15 \$147	0 \$ 0	0 \$ 0	19.994 \$360
#6 Copper Kearny	ELEC	U.C. per EA	18.00	0.33 6	CN-ELEC \$35.89	11.844 \$213	0 \$0	1.85 \$33	0 \$0	0 \$0	13.694 \$246

CONSTRUCTION DETAIL ITEM REPORT

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor — 9116,1 INSTALL NEW FENCE GROUNDING	OTY	Hrs	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	_S/C_	Other	TOTAL
ELEC #6 Ground Wire (7'-0" Section Woven in Fence)	U.C. per EA 18.00	0.33 6		11.844 \$2 13	0 \$0	1 \$18	0 \$0	0 \$0	12.844 \$231
ELEC Trenching & Backfill Memo: No funds for trenching or drilling through rock are incl	U.C. per LF 650.00 uded in the estimate.	0.04 26		1.436 \$933	0.38 \$247	0 \$ 0	0 \$0	0 \$0	1.816 \$1,180
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$4,255 \$0 \$1,360	\$247 \$0 \$79	\$2,341 \$117 \$785	\$0 \$0 \$0	\$0 \$0 \$0	\$6,843 \$117 \$2,224
Subtotal Estimate Escalation Contingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$9,184 \$0 \$0
Total 9116.1 INSTALL NEW FENCE GROUNDING		119		\$5,615	\$326	\$3,243	\$0	\$0	\$9,184
9202.1 DEMO/DISPOSE OF TELEPHONE POLES & RA Memo: Included in the estimate per direction if Cut off Telephone Poles to Grade & Dispose of Poles & Railroad Ties Memo: Assume that telephone poles & railroad ties are not helphone.	rom the requester. U.C. per EA 2.00	5 10 xcessed at CF	\$63.36	316.8 \$634 ived from A. Lun	0 \$0 dahi & D. Wagoner on	0 \$0 10/18/01.	0 \$0	0 \$0	316.8 \$634
Subtotal Sales Tax INEEL ORG Labor/Subcontractor Overheads				\$634 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$634 \$0 \$0
Subtotal Estimate Escalation Conlingency				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$634 \$0 \$0
Total 9202.1 DEMO/DISPOSE OF TELEPHONE POLES & TIES	RAILROAD	10		\$634	\$0	\$0	\$0	\$0	\$634
- 9202.2 DEMO PERIMETER FENCE & CUT OFF POSTS Memo: Included in the estimate per direction f U84630 Laborer	rom the requester. Estimet U.C. per LOT 1.00	e of labor ho 40 40	U84630	per the constru 2534.4 \$2,534	uction coordinator, Jo 0 \$0	ody Landis. 0 \$0	0 \$0	0 \$ 0	2534.4 \$ 2,534
U77630 Teamster	U.C. per LOT 1.00	10 10		514.8 \$515	0 \$0	0 \$ 0	0 \$0	0 \$0	514.8 \$515
U83630 Equipment Operator	U.C. per LOT 1.00	10 10		692.6 \$693	0 \$ 0	0 \$ 0	0 \$0	0 \$0	692.6 \$ 693
U76630 Ironworker	U.C. per LOT 1.00	160 160	U76630 \$51.66	8265.6 \$8,266	0 \$0	0 \$0	0 \$0	0 \$0	8265.6 \$8,266

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title IVAFC

	Subcontractor ER FENCE & CUT OFF POST	<u>QTY</u>		Hrs	Crew/Rate	Labor	Const Eqp	<u>Matl</u>	S/C	<u>Other</u>	TOTAL
	d in the estimate per direction		Estimate d	of labor hou	rs & equipment is	per the constru	ction coordinator. Jo	dv Landis.			
07630	• • • • • • • • • • • • • • • • • • • •	U.C. per LOT		80	Z07630	6473.6	0	0	0	0	6473.6
uperintendent			1.00	80	\$80.92	\$6,474	\$0	\$0	\$0	\$0	\$6,474
BW	1	U.C. per LOT				0	40	0	0	0	40
quipment			1.00	0		\$0	\$40	\$0	\$0	\$0	\$40
Subtotal						\$18,481	\$40	\$0	\$0	\$0	\$18,521
Sales Tax INEEL ORG Labor/Subcor	ntractor Overheads					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Subtotal Estimate	Maddo Oromozad		****							30	
Escalation						\$0	\$0	\$0	\$0	\$0	\$18,521 \$0
Contingency						\$0	\$0	\$0	\$ 0	\$0	\$0
Total 9202.2 DEMO PER	METER FENCE & CUT OFF F	POSTS		300		\$18,481	\$40	\$0	\$0	\$0	\$18,521
84630 aborer 77630	d in the estimate per directio	U.C. per LOT	1.00	20 20 5	U84630 \$63.36 U77630	1267.2 \$1,267 257.4	0 \$0 0	0 \$0 0	0 \$0	0 \$0 0	1267.2 \$1,267 257.4
eamster		·	1.00	5	\$51.48	\$257	\$0	\$0	\$0	\$0	\$257
83630		U.C. per LOT		5	U83630	346.3	0	0	0	0	346.3
quipment Operator			1.00	5	\$69.26	\$346	\$0	\$0	\$0	\$0	\$346
76630		U.C. per LOT		20	U76630	1033.2	.0	0	0	0	1033.2
onworker			1.00	20	\$51.66	\$1,033	\$0	\$0	\$0	\$0	\$1,033
7630		U.C. per LOT		5	Z07630	404.6	.0	0	0	0	404.6
uperintendent			1.00	5	\$80.92	\$405	\$0	\$0	\$0	\$0	\$405
BW aterial	1	U.C. per LOT	1.00	0		0 \$0	0 \$0	500 \$500	0 \$0	0 \$ 0	500 \$500
											
Subtotal Sales Tax						\$3,309	\$0	\$500	\$0	\$0	\$3,809
INEEL ORG Labor/Subcor	tractor Overheads					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
				-		,					\$3,80
Subtotal Estimate						••	**				
Escalation						\$0	\$0	\$0	\$0	\$0	\$0
Escalation Contingency	ELL CASINGS & SEAL WITH					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$(\$(

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL Org/Subcontractor 9210.1 INSTALL CONCRETE MONUMENTS	QTY	_	<u>Hrs</u>	Crew/Rate	Labor	Const Eqp	<u>Mati</u>	s/c	Other	TOTAL
Memo: Included in the estimate per direction	n from the requester.	Assume a	4' x 4' x 6"	reinforced slab to	support the mo	numents.				
	U.C. per EA		14	U84630	887.04	50	3500	0	0	4437.04
Install Concrete Monuments		2.00	28	\$ 63.36	\$1,774	\$100	\$7,000	\$0	\$0	\$8,874
Sublotal		·······			\$1,774	\$100	\$7,000	\$0	\$0	\$8,874
Sales Tax INEEL ORG Labor/Subcontractor Overheads					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$ 0	\$0 \$0	\$0 \$0
Subtotal Estimate					\`					\$8,874
Escalation					\$37	\$2	\$147	\$0	\$0	\$0,674 \$186
Contingency					\$0	\$0	\$0	\$0	\$ 0	\$0
Total 9210.1 INSTALL CONCRETE MONUMENTS			28		\$1,811	\$102	\$7,147	\$0	\$0	\$9,060
- 9210.2 INSTALL INSTITUTIONAL CONTROLS SIGNS Memo: included in the estimate per direction										
monded in the commute per circular	U.C. per EA		1	U81630	68.66	0	50	0	0	118.66
Install Institutional Controls Signs at Gates	5.0. ps. 2.	4.00	4	\$68.66	\$275	\$0	\$200	\$ 0	\$0	\$475
Subtotal					\$275	\$0	\$200	\$0	\$0	\$475
Sales Tax					\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labor/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimate										\$475
Escalation					\$6	\$0	\$4	\$0	\$0	\$10
Contingency				***	\$0	\$0	\$0	\$0	\$0	\$0
Total 9210.2 INSTALL INSTITUTIONAL CONTROLS SI	GNS		4		\$280	\$0	\$204	\$0	\$0	\$485
9300.1 TRAINING Memo: Included in the estimate per direction	n from the requester.									
	U.C. per EA		30	CN-SKWK	1035.6	0	0	0	0	1035.6
Training Allowance - General Contractor & Truckers		10.00	300	\$34.52	\$10,356	\$0	\$0	\$0	\$0	\$10,356
	U.C. per EA		30	CN-SKWK	1035.6	0	0	0	0	1035.6
Training Allowance - Fencing Subcontractor		3.00	90	\$34.52	\$3,107	\$0	\$0	\$0	\$0	\$3,107
	U.C. per EA		30	CN-SKWK	1035.6	0	0	0	0	1035.6
Training Allowance - Landscaping Subcontractor		3.00	90	\$34.52	\$3,107	\$0	\$0	\$0	\$0	\$3,107

Project Name:

CFA-08 STP DRAINFIELD COVER

Project Location: INEEL/CFA

Estimate Number: 3321-A

Client: D. J. Wagoner
Prepared By: R. D. Roseland
Estimate Type: Title II/AFC

LEVEL 9300.1 TRAINII	Org/Subcontractor	_QT\	<u></u>	<u>Hrs</u>	Crew/Rate	<u>Labor</u>	Const Eqp	Matl	_S/C	<u>Other</u>	TOTAL
Memo:	াত Included in the estimate per direction	from the requester									
		U.C. per EA		30	CN-ELEC	1076.7	0	0	0	0	1076.7
Training Allowance	- Electrical Subcontractor		2.00	60	\$ 35.89	\$2,153	\$0	\$0	\$0	\$0	\$2,153
Subtotal						\$18,723	\$0	\$0	\$0	\$0	\$18,723
Sales Tax INEEL ORG Labo	or/Subcontractor Overheads					\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Subtotal Estimat	te										\$18,723
Escalation						\$0	\$0	\$0	\$0	\$0	\$0
Contingency						\$0	\$0	\$0	\$0	\$ 0	\$0
-Total 9300.1 TR	AINING			540		\$18,723	\$0	\$0	\$0	\$0	\$18,723
GAPIF BBWI P	F AND G&A This is a model that works with the m	secro nemed "INEE!	Bollen Wh	ala Drain et		10 D4 O1 D46#					
PF	NOGAPIF	U.C. per \$.noiiup_wii	oleFioject_	outyear_reviseu_	10-24-01.BAS".	0	0	0	1	•
Procurement Fee %			50,118.00	0		\$0	\$0	\$0	\$0	\$50,118	\$50,118
G&A	NOGAPIF	U.C. per \$				0	0	0	0	,	•
G&A Fee %			18,544.00	O		\$0	\$0	\$0	\$0	\$18,544	\$18,544
Subtotal						\$0	\$0	\$0	\$0	\$68,662	\$68.662
Sales Tax						\$0	\$0	\$0	\$0	\$0	\$0
INEEL ORG Labo	or/Subcontractor Overheads					\$0	\$0	\$0	\$0	\$0	\$0
Subtotal Estimat	te										\$68,662
Escalation Contingency						\$0	\$0	\$0	\$0	\$0	\$0
						\$0	\$0	\$ 0	\$0	\$0	\$0
Total GAPIFBB	WI PF AND G&A			0		\$0	\$0	\$0	\$0	\$68,662	\$68,662
Subtotal CF	A-08 STP DRAINFIELD COVE	R				\$436,071	\$402,238	\$322,926	\$26,150	\$68,662	\$1,256,048
Sales Tax						so	\$0	\$117	\$0	\$0	\$117
INEEL ORG La	bor/Subcontractor Overheads					\$59,966	\$55,837	\$19,638	\$5,322	\$0	\$140,763
Subtotal Estim	ate				······································						\$1,396,928
Escalation						\$981	\$615	\$537	\$48	\$0	\$2,180
Contingency						\$0	\$0	\$0	\$0	\$0	\$0
Total CFA-08 S	TP DRAINFIELD COVER			12,375		\$497,018	\$458,690	\$343,218	\$31,520	\$68,662	\$1,399,108

G-39

CFA-06 STP DRAINFIELD COVER Title II/AFC R. D. Roseland B. O. Reyes

CONTRACTOR DISTRIBUTION REPORT

Reported From: CFA-08 STP DRAINFIELD COVER

CONTRACTOR	MARK-UP LABO PERCENT HOU		LABOR	MATERIAL	EQUIPMENT	OTHERS	SUBTOTAL	% MARKUP	% DIRECT COST	% TOTAL COST
PRIME CONTRACTOR DIRECT COST			470.00 5	47.000	***	•	470 005			
DIRECT COST			\$70,985	\$7,200	\$100	\$0	\$78,285			
TOTAL FOR PRIME	CONTRACTOR	1,817	\$70,985	\$7,200	\$100	\$0	\$78,285		6.23%	5.60%
BWI General Markup - BWI										
DIRECT COST	%		\$0	\$500	\$4 0	\$0	\$540			
	76		\$0	\$0	\$0	\$0	\$0	0.00%		
TOTAL FOR BWI Genera	al Markup - BWI	0	\$0	\$500	\$40	\$0	\$540		0.04%	0.04%
ELECTRICAL CONTRACTOR - ELE	<u>C</u>									
DIRECT COST	-		\$5,855	\$2,458	\$607	\$1,800	\$10,720			
BOND SUBTIER HANDLING	2.00%		\$117	\$49 *105	\$12	\$36	\$214	2.00%		
PROFIT	5.00% 10.00%		\$299 \$627	\$125	\$31	\$92	\$ 547	5.10%		
OVERHEAD	12.00%		\$828	\$263 \$347	\$65 \$86	\$193 \$ 254	\$1,148 \$1,516	10.71% 14.14%		
TOTAL FOR ELECTRICAL CONTR	ACTOR - ELEC	159	\$7,726	\$3,243	\$801	\$2,375	\$14,145	31.95%	0.859	0.779
FENCING CONTRACTOR - FENCE						- 14				
DIRECT COST			\$24,658	\$11,264	\$9,612	\$0	\$45,535			
BOND	2.00%		\$493	\$225	\$192	\$0	\$911	2.00%		
SUBTIER HANDLING	5.00%		\$1,258	\$574	\$490	\$0	\$2,322	5.10%		
PROFIT OVERHEAD	10.00% 7.00%		\$2,641 \$2,034	\$1,206 \$ 929	\$1,029 \$793	\$0 \$0	\$4,877 \$3,755	10.71% 8.25%		
TOTAL FOR FENCING CONTRA	CTOR - FENCE	699	\$31,084	\$14,199	\$12,117	\$0	\$57,400	26.06%	3.62%	3.259
GENERAL CONTRACTOR - GEN										
DIRECT COST			\$227,578	\$1,000	\$221,295	\$22,550	\$472,423			
BOND	2.00%		\$4,552	\$20	\$4,426	\$451	\$9,448	2.00%		
PROFIT	8.00%		\$18,570	\$82	\$18,058	\$1,840	\$38,550	8.16%		

INEEL

03/28/2002

CFA-08 STP DRAINFIELD COVER Title II/AFC R. D. Roseland B. O. Reyes

CONTRACTOR DISTRIBUTION REPORT

Reported From: CFA-08 STP DRAINFIELD COVER

CONTRACTOR	MARK-UP PERCENT		LABOR	MATERIAL	EQUIPMENT	OTHERS	SUBTOTAL	% MARKUP	% DIRECT COST	% TOTAL COST
GENERAL CONTRACTOR - GEN										
DIRECT COST OVERHEAD	8.00%		\$227,578 \$20,056	\$1,000 \$88	\$221,295 \$19,502	\$22,550 \$1,987	\$472,423 \$41,634	8.81%		
TOTAL FOR GENERAL CONTRA	ACTOR - GEN	6,526	\$270,756	\$1,190	\$263,281	\$26,828	\$562,055	18.97%	37.61%	33.77%
	-									
LANDSCAPING CONTRACTOR - LAN DIRECT COST			\$14,923	\$3,310	\$12,459	\$1,800	\$32,492			
BOND	2.00%		\$298	\$66	\$249	\$36	\$650	2.00%		
SUBTIER HANDLING	5.00%		\$761	\$169	\$635	\$92	\$1,657	5.10%		
PROFIT	10.00%		\$1,598	\$355	\$1,334	\$193	\$3,480	10.71%		
OVERHEAD	7.00%		\$1,231	\$273	\$1,027	\$148	\$2,680	8.25%		
TOTAL FOR LANDSCAPING CONTRA	CTOR - LAND	424	\$18,812	\$4,172	\$15,705	\$2,269	\$40,959	26.06%	2.59%	6 2.32%
Non-Org PF, G&A, and PIF - NOGAPI	E									
DIRECT COST	%		\$0 \$0	\$0 \$0	\$0 \$0	\$68,662 \$0	\$68,662 \$0	0.00%		
	-				·					
TOTAL FOR Non-Org PF, G&A, a	and PIF - NOG	0	\$0	\$0	\$0	\$68,662	\$68,662		5.47%	6 4.91%
Pea Gravel & Cobble Suppliers - ROC	æ									
DIRECT COST			\$0	\$297,311	\$0	\$0	\$297,311			
SUBTIER HANDLING	5.00%		\$0	\$14,866	\$0	\$0	\$14,866	5.00%		
TOTAL FOR Pea Gravel & Cob	ble Suppliers	0	\$0	\$312,177	\$0	\$0	\$312,177	5.00%	23.67%	6 21.25%
Trucking Subcontractor - TRUCK										
DIRECT COST			\$92,070	\$0	\$158,125	\$0	\$250,195			
SUBTIER HANDLING	5.00%		\$4,604	\$0	\$7,906	\$0	\$12,510	5.00%		
TOTAL FOR Trucking Subcontra	etor . TRUCK	2.750	\$96,674	SO	\$166,031	\$0	\$262,705	5.00%	40.000	6 17.88%

INEEL

CFA-08 STP DRAINFIELD COVER Title II/AFC R. D. Roseland B. O. Reyes

CONTRACTOR DISTRIBUTION REPORT

Reported From: CFA-08 STP DRAINFIELD COVER

CONTRACTOR	MARK-UP PERCENT		LABOR	MATERIAL	EQUIPMENT	OTHERS	SUBTOTAL	% MARKUP	% DIRECT COST	% TOTAL COST
TOTAL DIRECT COST		12,375	\$436,071	\$323,043	\$402,238	\$94,812	\$1,256,165		100.009	6
TOTAL SUBCONTRACTOR MARKUPS			\$59,966	\$19,638	\$55,837	\$5,322	\$140,763			10.06%
TOTAL COST TO PRIME			\$496,037	\$342,681	\$468,075	\$100,134	\$1,396,928			
PRIME CONTRACTOR MARKUP	0.16%	_	\$981	\$537	\$615	\$48	\$2,180			0.16%
TOTAL PROJECT COST			\$497,018	\$343,662	\$458,123	\$100,182	\$1,399,108			

-ID	Activity Description	Dur	Early Es Start Fin	
VAG-4 Car	o Installation/CFA-10 Remedia: Action			
D33802	FY 2002 WAG-4 MANAGEMENT	158 18FE	B02* 30SEP	D2 FY 2002 WAG-4 MANAGEMENT
D33810	DEVELOP WORK CONTROL (WP, D-B DETERM, SWPs, ETC)	30 04M		
D33809	PREPARE RFP, RECEIVE BIDS, AWARD SUBCONTRACT	41 04M		
D33800	CONSTRUCTION SUPERVISION & ENGINEERING	102 01AF		
D33801	QUALITY ASSURANCE	102 01AF		
D33819	SEAL WELLS, DEMO FENCE & POLES	8 24AF		မောင်းမော
D33813	PREPARE INITIAL SUBMITTALS	10 30AF		
D33814	ISSUE 14 DAY NOTIFICATION OF START OF CONST.	1 09M		
D33815	REV. & APPROVE SUBMITTALS & ISSUE NTP	8 14M		
D33816	MOBILIZATION	5 30M		
D33845	ISMS WORK CONTROLS	79 07JL		The state of the s
D33823	DEMO DIST, BOXES	2 10,10		
D33818	SURVEY BORROW PITS & BUILD RAMP AT SPREAD AREA A	4 10JL		
D33821	TRANSPORT LAYER 4 - PIT RUN GRAVEL FROM CFA PIT	4 10JU		
D33820	IND. SAFETY/HEALTH SUPPORT DURING CAP CONST.	16 10JL		
D33822	TRANSPORT LAYER 3 - COBBLES FROM I.F.	17 10JL		
D33817	SUPERVISION & FACILITIES - GENERAL CONTRACTOR	62 10JL	ara karan karan ana ana antara karan k	
D33824	PLACE PIT RUN IN DIST, BOXES, MOW & PROOF ROLL	4 12JL		
D33825	TRANSPORT LAYER 1 - SILT LOAM FROM LINCOLN BLVD.	18 17JL		
D33826	PLACE LAYER 4 - PIT RUN GRAVEL	5 09JL		WWW. W.
D33829	TRANSPORT LAYER 2 - PEA GRAVEL FROM I.F.	6 10JL		
D33827	DECONTAMINATE EQUIPMENT	10 17JL		
D33831	TRANSPORT CLAY LOAM FROM SPREADING AREA A	8 18JL		The second of th
D33828	PLACE LAYER 3 - COBBLES	6 22.1		
D33830	PLACE LAYER 2 - PEA GRAVEL	4 31JL		
D33840	DISPOSITION WASTE	33 31JL		
D33832	PLACE SILT & CLAY LOAM	27 07AL		*
D33833	CAP EARTHWORK COMPLETE	0	24SEF	
D33835	SURVEY DRAINFIELD AFTER EARTHWORK COMPLETION	2 2558		
D33421	Perfom Pre-Final Inspection with the Agencies	1 010	CT02* 01OC	02 Perfom Pre-Final Inspection with the Agen
D33481	Final Housekeeping, Ensure Proper signage	3 010		
D33511	Finalize Vendor Data Submittals	9 010	CT02 11OC1	
D33521	Write Construction Complete Document	11 010	CT02 15OC1	report to the contract of the
D33441	Correct any deficiencies noted in Pre-Final Insp	15 010	CT02 21OC1	
D33531	Submit Prelim Dft Construction Complete Report	1 160		
art Date	01OCT01 Early Bar 410	2		Sheet 1 of 2
nish Date ata Date	30SEP04 01OCT01			Date Revision Checked Appro-
ata Date un Date	26MAR02 14:41 Critical Activity		WAG 4 February	Baseline
			•	
	·		Classic Schedu	e Layout

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	ONDUENAMINA SIONDUENAMIJIJA
D33541	Review of Prelim Dft Construction Complete Repor	10	17OCT02	30OCT02	Review of Prelim Dft Construction Complete Rep
D33461	Conduct a Final Inspection with DOE-ID	1	22OCT02	22OCT02	Conduct a Final Inspection with DOE-ID
D33451	Obtain Agency sign-off of Inspection	10	23OCT02	05NOV02	Obtain Agency sign-off of Inspection
D33551	Resolve & Incorp Dft Construction Complete Repor	10	31OCT02	13NOV02	Resolve & Incorp Dft Construction Complete Rep
D33631	Obtain external release	10	31OCT02	13NOV02	MObtain external release
D33501	Turn-Back to Landlord	1	06NOV02	06NOV02	Turn-Back to Landlord
D33391	Revegetate to the specs in the CFA-08 RD/RA WP	5	07NOV02*	13NOV02	Revegetate to the specs in the CFA-08 RD/RA WIP
D33561	Submit Final Construction Complete Report	1	14NOV02	14NOV02	Submit Final Construction Complete Report

Start Date	01OCT01	Early Bar	4105	Sheet 2 of 2				
Finish Date	30SEP04				Date	Revision	Checked	Approved
Data Date	01OCT01	Progress Bar						~
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